CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 30th November 1889, *as compared with the corresponding week of the previous year.*

Nature of Cargo.	Week ending Saturday, the 30th November 1889.			Week ending Saturday, the 1st December 1888.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	136	12,975	168	477	92,475	1,598
Jute	402	1,87,210	3,414	401	2,14,183	3,906
Firewood	102	55,775	790	133	63,700	976
Other articles	1,088	2,15,140	3,435	1,159	2,78,595	4,704
Total ...	1,728	4,71,100	7,807	2,170	6,48,953	11,184

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of September 1889, *as compared with the same month of the previous year.*

Staples.	1889.		1888.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1889.	1888.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	6,974	1,670	6,775	1,698	8,644	8,473	171	.....
Cotton, raw	6	25	1	136	31	137	.....	106
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	3,591	113	4,408	151	3,704	4,559	.....	855
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	1,328	1,601	1,088	3,784	2,929	4,872	.....	1,943
5.—Others	852	2,294	1,209	2,653	3,126	3,862	.....	736
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed	7	540	10	479	547	489	58	.....
2.—Skins of sheep, &c.—								
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	.....	10,601	.....	8,616	10,601	8,616	1,985	.....
b.—Unscrewed	45	52,937	25	60,895	52,982	60,920	.....	7,938
2.—Gunny bags and cloth	57	767	174	619	824	793	31	.....
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	744	122	671	107	866	778	88	.....
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	402	4	369	19	406	388	18	.....
3.—Others	206	13	157	28	219	185	34	.....
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	64	815	224	1,034	879	1,258	.....	379
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betelnuts	122	108	67	107	230	174	56	.....
3.—Others	425	228	466	405	653	871	.....	218
Railway plant and rolling-stock	5,625	1,405	14,880	9,042	7,030	23,922	.....	16,892
Salt	2,862	9	4,180	46	2,871	4,226	.....	1,365
Sugar—								
1.—Drained	403	235	610	266	638	876	.....	238
2.—Undrained								
Tea—								
1.—Foreign	2	2,183	17	2,274	2,185	2,291	.....	106
2.—Indian								
Wood—								
1.—Timber	63	16	136	250	79	386	.....	307
2.—Firewood	1,523	.....	550	.....	1,523	550	973	.....
Tobacco	56	1,342	71	1,409	1,398	1,480	.....	82
All other articles of merchandise—								
1.—Unmanufactured	2,426	2,796	3,117	821	5,222	3,938	1,284	.....
2.—Manufactured								
Hay, straw, and wooloo (C. & S.-E. Section) ...	527	.....	465	.....	527	465	62	.....
Total ...	28,290	79,824	39,670	94,849	108,114	134,519	4,760	31,165

Comparative Statement of traffic, Eastern Bengal State Railway, for September 1889.

INCREASES.

	Tons
Jute, screwed	1,985
Dacca and Huldibari stations show the principal increases under this head.	
Firewood	973
From Banora principally.	

DECREASES.

Cotton piece-goods	855
This is a noticeabe decrease as the traffic in English piece-goods has been showing a steady increase hitherto.	
Rice	1,943
Due to a partial failure of the crops in the district.	
Jute, unscrewed	7,938
Due to the dulness of the market.	
Oil-seeds	379
Due to dulness of the market.	
Railway plant, &c.	16,892
Due to completion of the A. B. Section.	
Salt	1,365
The falling off was in despatches from Chitpore.	

F. P. QUINLAN,
Examiner of Accounts.

CALCUTTA, *the* 28*th November* 1889.

Bengal Central Railway.

Abstract of principal commodities carried over the Bengal Central Railway during the month of September 1889, *as compared with the same month of the previous year.*

STAPLES.	1889.		1888.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1889.	1888.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,624	.....	1,083	.....	1,624	1,083	541	.....
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	416	1	380	.....	417	380	37	.....
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	62	18	10	95	80	105	.....	25
5.—Others	55	286	82	46	341	128	213	.....
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	.....	27	.....	35	27	35	.....	8
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
b.—Unscrewed	.....	9,383	.....	9,880	9,383	9,880	.....	497
2.—Gunny bags and cloth	1	.....	6	1	1	7	.....	6
Metals—								
1.—Copper, unwrought...								
2.—Brass, unwrought								
3.—Brass and copper, wrought	44	22	53	36	66	89	.....	23
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	122	.....	80	.....	122	80	42	.....
3.—Others	88	.....	49	.....	88	49	39	.....
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	22	93	101	161	115	262	.....	147
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betelnuts	2	80	.....	71	82	71	11	.....
3.—Others	16	40	13	76	56	89	.....	33
Railway plant and rolling-stock	42	10	7	7	52	14	38	.....
Salt	247	7	341	.....	254	341	.....	87
Sugar—								
1.—Drained	9	204	20	247	213	267	.....	54
2.—Undrained								
Wood—								
1.—Timber	.....	.....	30	15	.....	45	.....	45
2.—Firewood								
Tobacco	30	38	33	28	68	61	7	.....
All other articles of merchandise—								
1.—Unmanufactured	357	189	256	218	546	474	72	.....
2.—Manufactured								
Total ...	3,137	10,398	2,544	10,916	13,535	13,460	1,009	925

Comparative Statement, Bengal Central Railway, for September 1889.

INCREASES.

	Tons.
Coal	541
For railway and flotilla consumption.	

DECREASES.

Jute	497
This decrease is due to the dullness of the market in Calcutta, and to the short and inferior crop in the Madaripur district.	

F. P. QUINLAN,
Examiner of Accounts.

CALCUTTA, *the* 25*th November* 1889.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 23rd November 1889, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	237,149	3,24,005 7 0	23,32,217 10	5,77,429 7 0	24,654 0 0	9,26,088 14 0	67,769½	79,111½	146,881
Or per mile of railway	.....	212 6 3	.....	378 8 4	16 2 7	607 1 2	.....	.....	.....
For previous 20 weeks of half-year	4,746,934	50,57,478 4 0	4,19,40,173 30	92,54,522 8 6	3,28,273 11 2	1,46,40,274 7 8	1,305,968½	1,601,983½	2,907,951½
Total for 21 weeks ...	4,984,083	53,81,483 11 0	4,42,72,391 0	98,31,951 15 6	3,52,927 11 2	1,55,66,363 5 8	1,373,738	1,681,094½	3,054,832½
Comparison.									
Total for corresponding week of previous year ...	271,939	3,36,553 14 9	23,36,768 20	5,98,938 6 11	44,902 2 10	9,80,394 8 6	68,403	81,626	150,029
Per mile of railway corresponding week of previous year ...	.....	220 9 11	.....	392 9 11	29 6 11	642 10 9	.....	.....	.....
Total to corresponding date of previous year	4,911,933	53,72,950 9 0	4,92,12,173 30	99,55,737 15 10	3,64,466 6 4	1,56,93,154 15 2	1,361,096	1,680,253	3,041,349

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 24th November 1888.			Receipts for week ending 23rd November 1889.			Total receipts from 1st April 1888 to 24th November 1888.			Total receipts from 1st April 1889 to 23rd November 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,525½	9,80,395	643	1,525½	9,26,089	607	1,525½	2,76,17,860	532	1,525½	2,75,93,118	532	.....	24,742

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd November 1889, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,072	6,533 6 0	35,772 30	2,674 1 0	39 2 0	9,246 9 0	1,866	662	2,528
Or per mile of railway	211	114 3 6	625 20	46 12 0	0 10 11	161 10 5	.....	.....	.....
For previous 20 weeks of half-year	271,324	1,50,793 12 0	8,04,033 0	43,843 2 0	844 2 3	1,95,481 0 3	30,337	14,269	44,606
Total for 21 weeks ...	283,396	1,57,327 2 0	8,39,805 30	46,517 3 0	883 4 3	2,04,727 9 3	32,203	14,931	47,134
Comparison									
Total for corresponding week of previous year	14,331	7,344 2 11	72,884 30	2,812 3 0	14 3 9	10,170 9 8	1,854	694	2,548
Per mile of railway corresponding week of previous year ...	250½	128 6 4	1,274 10	49 2 7	0 4 0	177 12 11	.....	.....	.....
Total to corresponding date of previous year	288,180½	1,60,158 6 7	8,78,040 30	40,964 10 0	1,245 4 9	2,11,368 5 4	38,527	14,399	52,926

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 24th November 1888.			Receipts for week ending 23rd November 1889.			Total receipts from 1st April 1888 to 24th November 1888.			Total receipts from 1st April 1889 to 23rd November 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	10,171	178	57½	9,247	162	57½	3,25,293	167	57½	3,18,727	164	.....	6,566

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ended 23rd November 1889, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,227	4,170 11 0	5,552 20	207 4 0	6 0 0	4,383 15 0	903	65	968
Or per mile of railway ...	.....	187 7 2	.....	9 5 0	0 4 4	197 0 6	.....	.....	.....
For previous 20 weeks of half-year	349,307	85,550 9 0	1,49,467 30	4,873 15 0	98 14 6	90,523 6 6	18,446	1,324	19,770
Total for 21 weeks ...	365,534	89,721 4 0	1,55,020 10	5,081 3 0	104 14 6	94,907 5 6	19,349	1,389	20,738
Comparison.									
Total for corresponding week of previous year	21,851	5,606 11 3	8,467 30	366 1 0	5 10 0	5,978 6 3	899	60	959
Per mile of railway corresponding week of previous year ...	.....	251 15 9	.....	16 7 3	0 4 1	268 11 1	.....	.....	.....
Total to corresponding date of previous year	377,198½	92,984 1 11	99,964 30	3,906 15 0	139 15 9	97,031 0 8	19,433	983	20,416

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for week ending 24th November 1888.			Receipts for week ending 23rd November 1889.			Total receipts from 1st April 1888 to 24th November 1888.			Total receipts from 1st April 1889 to 23rd November 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	5,978	269	22¼	4,384	197	22¼	1,83,378	242	22¼	1,77,541	235	.....	5,837

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 16th November 1889, on 747 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	141,900	77,140 0 0	6,01,920 0	1,70,880 0 0	14,640 0 0	2,62,660 0 0	21,674	33,713	55,387
Or per mile of railway ...	190	103 0 0	806 0	229 0 0	†4 0 0	336 0 0	.....	.....	.....
For previous 19 weeks of half-year	2,618,224	12,02,836 0 0	1,18,24,750 0	29,56,712 0 0	3,05,969 0 0	*44,65,517 0 0	422,721	526,869	949,590
Total for 20 weeks ...	2,760,124	12,79,976 0 0	1,24,26,670 0	31,27,592 0 0	3,20,609 0 0	47,28,177 0 0	444,395	560,582	1,004,977
Comparison.									
Total for corresponding week of previous year	145,794	75,162 0 0	5,35,444 0	1,41,302 0 0	17,473 0 0	2,33,937 0 0	21,290	29,371	50,661
Per mile of railway corresponding period of previous year ...	217	112 0 0	796 0	210 0 0	†5 0 0	327 0 0	.....	.....	.....
Total to corresponding date of previous year	2,660,628	11,91,639 0 0	1,24,63,897 0	31,63,093 0 0	3,26,042 0 0	46,80,774 0 0	413,866	611,196	1,025,062

* Audited up to week ending 5th October 1889.
† Excluding steam-boat earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 17th November 1888.			Receipts for week ending 16th November 1889.			Total receipts from 1st April 1888 to 17th November 1888.			Total receipts from 1st April 1889 to 16th November 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
673	2,33,937	348	747	2,62,660	352	673	66,36,245	299	718	*68,63,619	290	2,27,374	.....

* Audited up to week ending 5th October 1889.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 16th November 1889, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	26,610	11,470 0 0	40,500 0	2,730 0 0	180 0 0	14,380 0 0	3,606	2,066	5,672
Or per mile of railway	213	92 0 0	324 0	22 0 0	1 0 0	115 0 0	.....	.....	.....
For previous 19 weeks of half-year	516,613	1,77,770 0 0	11,58,277 0	1,08,203 0 0	3,311 0 0	*2,89,284 0 0	68,037	44,042	112,099
Total for 20 weeks ...	543,223	1,89,240 0 0	11,98,777 0	1,10,933 0 0	3,491 0 0	3,03,664 0 0	71,643	46,108	117,771
Comparison.									
Total for corresponding week of previous year	26,594	11,314 0 0	54,028 0	3,633 0 0	93 0 0	15,040 0 0	3,606	2,152	5,758
Per mile of railway corresponding period of previous year ...	213	90 0 0	432 0	29 0 0	1 0 0	120 0 0	.....	.....	.....
Total to corresponding date of previous year	523,829	1,71,575 0 0	12,17,813 0	1,25,373 0 0	1,607 0 0	2,98,555 0 0	72,202	51,243	123,445

* Audited up to week ending 5th October 1889.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 17th November 1888.			Receipts for week ending 16th November 1889.			Total receipts from 1st April 1888 to 17th November 1888.			Total receipts from 1st April 1889 to 16th November 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	15,040	120	125	14,380	115	125	4,60,357	112	125	*4,83,512	117	23,155	.....

* Audited up to week ending 5th October 1889.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 16th November 1889, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	15,620	5,250 0 0	58,160 0	5,270 0 0	600 0 0	11,120 0 0	2,546	1,258	3,804
Or per mile of railway	182	61 0 0	676 0	61 0 0	7 0 0	129 0 0	.....	.....	.....
For previous 19 weeks of half-year	263,770	91,416 0 0	4,21,060 0	36,188 0 0	4,408 0 0	*1,32,012 0 0	47,371	12,131	59,502
Total for 20 weeks ...	279,390	96,666 0 0	4,79,220 0	41,458 0 0	5,008 0 0	1,43,132 0 0	49,917	13,389	63,306
Comparison.									
Total for corresponding week of previous year	14,116	4,657 0 0	13,124 0	983 0 0	90 0 0	5,730 0 0	2,502	602	3,104
Per mile of railway corresponding period of previous year	164	54 0 0	152 0	11 0 0	1 0 0	66 0 0	.....	.....	.....
Total to corresponding date of previous year	271,214	84,029 0 0	2,85,488 0	21,753 0 0	3,769 0 0	1,19,451 0 0	50,222	13,300	63,522

* Audited up to week ending 5th October 1889.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 17th November 1888.			Receipts for week ending 16th November 1889.			Total receipts from 1st April 1888 to 17th November 1888.			Total receipts from 1st April 1889 to 16th November 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	5,730	66	86	11,120	129	86	1,75,442	62	86	*2,18,299	77	42,857	.....

* Audited up to week ending 5th October 1889.

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 23rd November 1889, on 273 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	42,497	16,864 0 0	1,87,269 0	22,269 0 0	4,397 0 0	43,530 0 0	6,178	5,278	11,456
Or per mile of railway	156	62 0 0	686 0	81 0 0	3 0 0	146 0 0*	.....	.....	.....
For previous 19 weeks of half-year	788,286	2,84,997 0 0	32,51,550 0	3,10,256 0 0	74,118 0 0	6,69,371 0 0	110,200	95,474	205,674
Total for 20 weeks ...	830,783	3,01,861 0 0	34,38,819 0	3,32,525 0 0	78,515 0 0	7,12,901 0 0	116,378	100,752	217,130
COMPARISON.									
Total for corresponding week of previous year	74,471	30,947 0 0	1,27,558 0	11,664 0 0	2,901 0 0	45,512 0 0	6,778	5,386	12,164
Per mile of railway corresponding week of previous year ...	273	113 0 0	467 0	43 0 0	1 0 0	167 0 0*	.....	.....	.....
Total to corresponding date of previous year	826,988	2,80,675 0 0	27,38,561 0	2,32,016 0 0	56,786 0 0	5,69,477 0 0	109,188	106,180	215,368

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."
Note.—Decrease under "Passengers" is due to Sonepur mela having taken place in the corresponding week of the last year.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 24th November 1888.			Receipts for week ending 23rd November 1889.			Total receipts from 1st April 1888 to 24th November 1888.			Total receipts from 1st April 1889 to 23rd November 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
273	45,512	167	273	43,530	159	262·24	10,67,117	123	273	12,37,269	137	1,70,152	.....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 9th November 1889	10,022
Corresponding week last year	11,051
Decrease	1,029
Receipts from 1st July to 9th November 1889	1,99,515
From 1st July to 10th November 1888	2,30,888
Decrease	31,373

Compared with 1887, there is an increase of Rs. 16,490 for the corresponding period.

	Miles.
Miles open week ending 9th November 1889	61
Corresponding week last year	61

	Rs. A. P.
Receipts per mile open week ending 9th November 1889	196 8 2
Corresponding week last year	216 11 0
Decrease	20 2 10

Printed and published by Edwin Morris Lewis, at the Printing Office of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, 4th December 1889.

[REGISTERED No. 29.]

No. 50 of 1889.

SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, DECEMBER 11, 1889.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 7th December 1889.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
BURDWAN DIVS. 1	Burdwan Dec. 7, '89	Nil	Weather—rather warm for the season. Harvesting of *amun* continues; outturn good in Raneegunge, fair in Burdwan, and poor in Cutwa and Culna. Prospects of *rubbi* fair on the average. Prices of common rice:— Srs. Burdwan ... ... 14½ Culna ... ... 13 Cutwa ... ... 14½ Raneegunge ... ... 17 } per rupee.
2	Bankoora „ 7, '89	Nil	Weather—seasonable. Cutting of *amun* commenced. Wheat and barley are again being sown in the Bishenpore subdivision. Sugarcane is doing well. Common rice selling at 21 seers per rupee at Sudder and 19 seers at Bishenpore.
3	Birbhum „ 7, '89	Nil	Weather—seasonable. Prospects of crops good. The winter harvest is going on very briskly, and the crop is certainly a full one. Cold-weather crops are doing excellently. Price of rice at Soory remains at 14 seers per rupee.
4	Midnapur „ 7, '89	Nil	Weather—fair and seasonable. Harvesting of winter rice has commenced in parts of the district. Prices of rice:— Srs. ch. Sudder ... ... 14 0 Contai ... ... 15 0 Tumluk ... ... 14 8 Ghatal ... ... 16 13 } per rupee.
5	Hooghly „ 7, '89	Nil	Weather—fine and cool. Outturn of *amun* rice, taking the average of the whole district, would be about 10 annas. Prices of common rice:— Srs. Sudder ... ... 12 Serampore ... ... 12 Jehanabad ... ... 16 } per rupee.
	Howrah „ 7, '89	Nil	Weather—cool. Damage done by late rain to *amun* crop is very slight. Common rice is selling at 12 seers per rupee.
	Central Districts.		
PRESIDENCY DIVS. 6	24-Pergns. Dec. 10, '89	Nil	Weather—seasonable. Prospects of both *amun* and *rubbi* crops continue favourable. *Amun* is being cut. Price of common rice varies from 13 to 17 seers per rupee.
7	Nuddea „ 7, '89	Nil	Weather—seasonable. *Amun* rice is being harvested, and yielding a fair outturn. Winter crops are doing well.
8	Khoolna „ 7, '89	Nil	Weather—seasonable. *Amun* harvest has commenced. The outturn is expected to be about 13 annas. Prospects of winter crops fair.
9	Jessore „ 7, '89	Nil	Weather—seasonable. *Amun* harvesting going on. Winter crops doing fairly well. Price of rice at Magurah 15 seers per rupee.
10	Moorshedabad „ 7, '89	Nil	Weather—fine, clear, and cool. *Amun* is being harvested. Prospects of *rubbi* crops favourable.
RAJSHAHYE DIVS. 11	Dinagepur „ 7, '89	Nil	Weather—fine; unusually warm. Heavy fogs in the morning. Prospects of crops continue good. Harvesting of late rice has commenced.
12	Rajshahye „ 7, '89	Nil	Weather—cool. Prospects of *amun* very good, and more than an average crop is expected. Pulses sown are doing well. Ganja also reported to promise well.
13	Rungpur „ 7, '89	Nil	Cold weather has at last set in. Harvesting of *amun* rice now in full swing Prospects of tobacco and sugarcane excellent. Cold-weather crops flourishing. Prices falling.
14	Bogra „ 7, '89	Nil	Weather—seasonable. State and prospects of all crops good. *Amun* rice is expected to give an outturn of 17 annas. Common rice is selling at 19 seers per rupee.
15	Pubna „ 7, '89	Nil	Weather—seasonable. *Amun* is being harvested; outturn nearly an average Sugarcane is a half crop. Sowing of tobacco delayed by recent rain. Cold-weather crops are satisfactory except for some damage to mustard and *kalai* by late rain. Prices still high.
16	Darjeeling „ 7, '89	Nil	Weather—misty and cold. The crops both in hills and Terai are doing well, and prospects generally good.
17	Julpigoree „ 7, '89	Nil	Weather—fair and cool with foggy mornings. Reaping of *haimanti* paddy continues. Condition of standing crops very good. Average sowing of tobacco is about 8 annas in the district. Prices stationary.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*			
	Eastern Districts.		
Dacca Divn. 18	Dacca Dec. 7, '89	Nil	Weather—fine and cool. Sowing of *rubbi* crops continues. *Amun* paddy is being harvested. Late rain has caused some damage to *amun* paddy and pulses. Fodder is hardly available. Prices of food-grains falling.
19	Furreedpur „ 7, '89	Nil	Weather—seasonable. Harvesting of *amun* rice in progress. Cold-weather crops at first sown were mostly destroyed by the late rain. They are now nearly half re-sown. Much sugarcane lost by floods. Tapping of date trees is rather late this year owing to recent rains.
20	Backergunge „ 7, '89	Nil	Weather—seasonable. Prospects of *amun* crop good. Havesting has commenced.
21	Mymensingh „ 7, '89	Nil	Weather—seasonable. Havesting of *amun* paddy continues. *Rubbi* crops look promising. Common rice selling at 13 seers 5½ chittacks per rupee.
Chittagong Divn. 22	Chittagong „ 7, '89	Nil	Weather—seasonable and cold. Prospects of crops good.
23	Noakholly „ 7, '89	Nil	Weather—seasonable. *Amun* rice is being harvested. Sowing of *rubbi* crops continues. Prospects good. New good rice is selling at 18 seers per rupee in the Feny subdivision.
24	Tipperah „ 7, '89	Nil	Weather—bright; getting cool. *Amun* is being reaped; a 16-anna crop expected. Winter crops slightly damaged by rain. Lands are being ploughed for tobacco and pulses.
25	Chittagong Hill Tracts. „ 6, '89	Nil	Weather—cold and foggy with clouds in the morning. There is every symptom of rain falling again very shortly. Gathering of cotton still continues, but the outturn of this crop is greatly damaged by late rain. Lands are still being ploughed for re sowing of mustard and other winter crops. The mustard crop is greatly retarded by the rain, and prospects are not good.
	Hill Tipperah „ 7, '89	Nil	Weather—cold. Prospects of *amun* paddy continue to be fair. Cotton and oilseed are still being collected; a fair outturn expected.
BEHAR.			
Patna Divn. 26	Patna Dec. 7, '89	Nil	Weather—cold. Harvesting of paddy is in progress. Sowing of *rubbi* crops is reported to have been completed. Poppy is growing well. Prospects of the standing crops favourable. Prices of food-grains almost stationary.
27	Gya „ 7, '89	Nil	Weather—cold. Paddy is being harvested. *Rubbi* crops promising. Sowing of poppy finished. Prices of food-grains falling. Food-stocks sufficient.
28	Shahabad „ 7, '89	Nil	Weather—cold and dry. Prospects of *rubbi* crops continue to be excellent. Harvesting of *aghani* paddy still proceeding. Pressing of sugarcane commenced. Prices falling.
29	Durbhunga „ 7, '89	Nil	Weather—cold and clear with west wind. Harvesting of rice continues. Prospects of *rubbi* very favourable. A shower of rain, however, would be greatly beneficial to the crop. Poppy reported to be healthy and promising. Price of common rice falling everywhere.
30	Mozufferpur „ 7, '89	Nil	Weather—cold and clear. Prospects of standing crops favourable. Harvesting of winter rice going on.
31	Sarun „ 7, '89	Nil	Weather—fine and seasonable. Harvesting of paddy in progress; outturn estimated at 16 annas. Prospects of *rubbi* and poppy crops excellent.
32	Chumparun „ 7, '89	Nil	Weather—cold. West wind prevails. Paddy harvest nearly finished. *Rubbi* and poppy doing well. Prices stationary.
Bhagulpore Divn. 33	Monghyr „ 7, '89	Nil	Weather—seasonable. Cold weather has fairly set in. Harvesting of winter rice continues; estimated average outturn for the whole district 14 annas. Prospects of *rubbi* crops and poppy good.
34	Bhagulpur „ 7, '89	Nil	Weather—seasonable. Harvesting of late rice and *kurthi* in progress. The latter is an excellent crop. All *rubbi* crops doing well.
35	Purneah „ 7, '89	Nil	Weather—cool. *Aghani* crop is being harvested; outturn will be nearly an average one. Other crops doing well. Tobacco sowings not quite finished. Prospects good.
36	Maldah „ 7, '89	Nil	Weather—seasonable. Harvesting of winter rice progressing. State of *rubbi* crops fair. Common rice selling at 14 seers a rupee in the Sudder.
37	Santhal Pergha. „ 7, '89	Nil	Weather—clear and cold. Harvesting of paddy in full activity; an average outturn is anticipated. *Rubbi* crops promise well.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
Orissa Divs.	38	Cuttack Dec. 7, '89	Nil	Weather—seasonable. *Laghu sarad* is being reaped.
	39	Pooree „ 6, '89	Nil	Weather—cold. Harvesting of winter rice has begun. Loss to the late and early *sarad* rice by the recent storm is estimated at 2 annas on the average except in the South Chilka tracts, where it is much heavier. *Rubbi* crops have suffered heavily.
	40	Balasore „ 7, '89	Nil	Weather—seasonable. Winter rice is being harvested. Prices somewhat easier.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
Chota Nagpore Divs.	41	Hazaribagh Dec. 7, '89	Nil	Weather—seasonable. Harvesting of rice still going on; 16 to 20 annas outturn expected. All *rubbi* crops doing well. Sugarcane and poppy also promise well.
	42	Lohardugga „ 7, '89	Nil	Weather—seasonable. Prospects of *rubbi* crops good. Harvesting of paddy continues. *Kapas* and *til* are being gathered in the Palamow subdivision. Prices falling.
	43	Singbhoom „ 7, '89	Nil	Weather—seasonable and favourable. Paddy is being harvested. Winter crops doing well. Prices stationary.
	44	Manbhoom „ 7, '89	Nil	Weather—seasonable. Harvesting of winter paddy is getting on vigorously. *Rubbi* crops doing well. Price of rice stationary.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 10th December, 1889.

P. NOLAN,
Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

Names of Marts.	Stock in hand as compiled on—												
	1st week of Dec. 1888.	1st week of Jan. 1889.	1st week of Feb. 1889.	1st week of Mar. 1889.	1st week of April 1889.	1st week of May 1889.	1st week of June 1889.	1st week of July 1889.	1st week of August 1889.	1st week of Sept. 1889.	2nd week of Oct. 1889.	1st week of Nov. 1889.	1st week of Dec. 1889.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	3,29,000	3,98,000	7,77,000	12,77,000	12,67,000	12,42,000	7,67,500	8,73,000	7,32,709	6,62,000	5,06,000	4,54,000	2,96,500
Ooltadanga	68,500	76,300	71,400	80,200	87,100	82,200	88,000	86,500	78,700	74,400	71,900	67,400	55,400
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpy Ghát.	6,51,400	6,49,200	5,96,600	7,08,200	7,64,000	7,54,200	6,96,500	6,85,400	6,97,700	5,76,300	6,74,100	6,33,300	5,88,000
Pathuriaghatta, Posta, and Jorabagan.	2,500	4,000	3,500	2,000	3,200	3,000	2,500	2,000	3,000	4,000	5,000	8,000	3,000
Taliygunge, Chitlah, Kidderpore, and Moonshigunge.	98,100	1,05,600	1,26,600	1,37,400	1,48,100	1,59,000	1,19,700	1,03,700	1,10,700	72,500	64,550	65,200	68,100
11 Minor Bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Rhuddressur, and Chandernagore.	22,206	22,530	14,924	20,493	19,792	20,666	19,925	19,906	18,117	14,265	14,382	13,410	14,080
Total ...	16,61,706	17,46,630	21,80,024	27,15,293	27,79,192	27,50,466	21,84,123	22,60,506	21,30,917	18,93,465	18,25,932	17,31,310	15,13,080
On Railway premises on both sides of the river.	7,865 (on 3rd Dec. 1888.)	11,491 (on 4th Jan. 1889.)	15,074 (on 4th Feb. 1889.)	6,852 (on 5th Mar. 1889.)	23,414 (on 4th April 1889.)	12,496 (on 4th May 1889.)	6,578 (on 3rd June 1889.)	7,730 (on 3rd July 1889.)	4,179 (on 3rd Aug. 1889.)	9,606 (on 3rd Sept. 1889.)	8,208 (on 3rd Oct. 1889.)	14,011 (on 3rd Nov. 1889.)	6,677 (on 3rd Dec. 1889.)
On boats unloaded ... By Port Commissioners' returns.	41,600 (1st to 3rd Dec. 1888.)	49,005 (2nd to 4th Jan. 1889.)	44,923 (1st to 3rd Feb. 1889.)	31,937 (1st to 3rd Mar. 1889.)	23,449 (1st to 3rd April 1889.)	17,963 (1st to 3rd May 1889.)	16,066 (1st to 3rd June 1889.)	25,610 (1st to 3rd July 1889.)	1,32,232 (1st to 3rd Aug. 1889.)	25,330 (1st to 3rd Sept. 1889.)	17,852 (5th to 7th Oct. 1889.)	21,324 (1st to 3rd Nov. 1889.)	29,650 (1st to 3rd Dec. 1889.)
By Canal returns	27,665 (1st to 3rd Dec. 1888.)	1,24,374 (2nd to 4th Jan. 1889.)	1,43,475 (1st to 3rd Feb. 1889.)	80,850 (1st to 3rd Mar. 1889.)	36,713 (1st to 3rd April 1889.)	8,972 (1st to 3rd May 1889.)	15,297 (1st to 3rd June 1889.)	27,106 (1st to 3rd July 1889.)	29,345 (1st to 3rd Aug. 1889.)	19,881 (1st to 3rd Sept. 1889.)	45,022 (5th to 7th Oct. 1889.)	14,718 (1st to 3rd Nov. 1889.)	8,835 (1st to 3rd Dec. 1889.)
Grand Total of Stocks ...	17,38,836	19,31,500	23,83,496	28,34,932	28,62,768	27,89,897	22,22,064	23,20,352	22,96,673	19,48,282	18,97,914	17,81,363	15,49,242
Probable stock available for exportation by sea.	6½ lakhs	8½ lakhs	13½ lakhs	17½ lakhs	18 lakhs	17½ lakhs	11½ lakhs	12½ lakhs	12½ lakhs	9 lakhs	8½ lakhs	7½ lakhs	5 lakhs

Statistical Department,
The 9th December, 1889.

P. Nolan,
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the In during the month of July, 1889.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OILSEEDS.					SUGAR.		TOB
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny bags.†	Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Refined.	Unrefined.	Unmanufactured.
	Rice.	Paddy.	Total (in rice).														
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan	67,814	68,292	1,04,247	2,628	4,341	.....	1,11,216	.....	11,865	7,523	439	49	18	69	41	19	461
Beerbhoom	17,774	.....	17,774	.....	.....	.....	17,774	.....	4,200	9	826	.....	.....	166	.....	.....	...
Midnapore	1,12,918	14,868	1,22,210	500	.....	45	1,22,755	.....	900	4,435	.....	.....	347	218	922	677	71
Hooghly	50,935	30,593	70,056	13,997	17,742	704	1,02,499	2,691	425,895	43,322	7,819	.....	160	5	62	7,158	11,478
24-Pergunnahs	73,877	16,863	84,417	210	275	.....	84,902	1,643	193,925	496	610	.....	948	.....	5,655	12,976	3,282
Nuddea	5,128	1,459	6,040	14,466	73,944	2,846	97,296	11,464	1,335	43,297	3,438	.....	253	291	627	1,254	2,451
Khulna	5,256	14,150	14,094	.....	192	.....	14,286	16,093	.....	2,033	226	.....	276	.....	1,000	6,807	...
Jessore	3,809	2,605	5,437	528	8,338	.....	14,303	2,067	.....	7,845	1,940	.....	33	.....	759	17,600	1,857
Moorshedabad	2,148	374	2,381	13,103	24,647	1,405	41,536	8,925	3,760	22,362	527	.....	2	335	.....	.....	...
Dinagepore	76,355	.....	76,355	841	125	.....	77,321	1,413	44,765	1,605	3,693	.....	60	.....	.....	.....	...
Rajshahye	16,060	.....	16,060	1,639	11,605	68	29,372	4,200	.....	9,993	734	.....	.....	134	.....	.....	...
Rungpore	9,798	.....	9,798	.....	.....	.....	9,798	27,902	16,240	.....	2,265	.....	.....	.....	.....	.....	46,845
Bogra	33,400	135	33,484	.....	.....	.....	33,484	.....	.....	.....	.....	.....	.....	.....	.....	.....	...
Pubna	2,000	.....	2,000	7,838	4,685	.....	14,523	1,46,152	1,232,035	17,040	43,498	.....	.....	.....	.....	.....	4,865
Darjeeling	.....	.....	.....	.....	.....	.....	.....	.....	22,400	11	.....	21,358	.....	.....	.....	74	...
Julpigoree	.....	.....	.....	.....	.....	.....	.....	3,244	39,620	.....	877	9,823	.....	.....	.....	.....	1,034
Dacca	2,626	1,049	3,844	591	2,367	.....	6,802	1,02,978	140	2,369	9,346	181	2,402	.....	.....	.....	...
Furreedpore	3,103	2,009	4,353	1,739	3,855	.....	11,947	2,36,146	.....	9,594	23,791	96	560	11	.....	.....	392
Backergunge	1,23,097	250	1,23,253	.....	.....	.....	1,23,253	2,172	.....	902	2,641	.....	.....	.....	.....	159	...
Mymensingh	1,502	.....	1,502	3,089	2,072	.....	6,663	3,320	.....	4,829	932	.....	.....	.....	.....	.....	...
Tipperah	3,625	.....	3,625	.....	.....	.....	3,625	.....	.....	.....	.....	.....	.....	.....	.....	.....	...
Chittagong	.....	.....	.....	.....	.....	.....	.....	4,976	.....	.....	.....	1,207	3,842	.....	.....	.....	...
Noakholly	7,252	.....	7,252	.....	.....	.....	7,252	.....	.....	2,350	560	.....	750	.....	.....	.....	...
Total of Bengal	6,18,471	1,43,538	7,08,182	61,169	1,56,188	5,068	9,30,607	5,75,386	1,997,020	1,79,071	1,04,102	32,714	9,741	1,229	8,446	46,615	72,956
BEHAR.																	
Patna	.....	.....	.....	22,544	11,458	11,246	45,248	132	3,675	3,10,927	68,964	.....	226	3	7,093	6,866	205
Gya	.....	48	27	958	.....	.....	985	.....	1,120	10,664	746	.....	.....	.....	.....	.....	...
Shahabad	2	.....	2	19,802	15,532	804	36,140	.....	455	26,133	300	.....	14	.....	518	5,305	31
Mozufferpore	15	.....	15	.....	1,603	3,305	4,923	.....	35	16,766	4,885	.....	136	.....	.....	.....	7
Durbhunga	.....	.....	.....	2,213	4,402	765	7,440	.....	1,015	55,917	29,353	.....	72	.....	89	.....	107
Sarun	.....	.....	.....	8,330	15,779	19	24,128	.....	.....	41,401	15,575	.....	.....	.....	.....	283	2
Chumparun	.....	.....	.....	.....	.....	1,197	1,197	.....	.....	29,536	8,602	.....	.....	.....	.....	2,122	...
Monghyr	2,082	.....	2,082	11,492	5,668	264	19,506	.....	1,470	20,088	27,532	.....	249	.....	.....	133	...
Bhagulpore	.....	.....	.....	27,943	12,522	10,515	50,980	305	475	22,456	26,383	4	17	4	.....	1	6
Purneah	5,234	.....	5,234	2,747	5,133	.....	13,114	79	.....	8,288	20,764	.....	2	.....	.....	.....	2,709
Maldah	.....	.....	.....	14,440	15,771	136	30,347	532	.....	9,973	3,346	.....	.....	.....	.....	.....	...
Southal Pergunnahs.	.....	.....	.....	14,132	4,333	418	18,883	140	1,365	19,776	19,135	.....	8	261	.....	.....	...
Total of Behar	7,333	43	7,360	1,23,701	92,261	28,669	2,51,991	1,188	9,610	5,71,925	2,25,485	4	724	268	7,700	14,710	3,067
ORISSA.																	
Cuttack	.....	.....	.....	.....	.....	.....	.....	.....	709	.....	.....	.....	.....	.....	.....	.....	...
Balasore	13,441	700	13,879	.....	647	.....	14,526	.....	.....	131	42	.....	.....	.....	.....	.....	100
Total of Orissa	13,441	700	13,879	.....	647	.....	14,526	.....	709	131	42	.....	.....	.....	.....	.....	100
CHOTA NAGPORE.																	
Bazaribagh	.....	.....	.....	.....	.....	.....	.....	.....	980	12	405	76	9	.....	.....	.....	...
Manbhoom	.....	.....	.....	.....	.....	.....	.....	.....	980	.....	.....	.....	.....	.....	.....	.....	...
Total of Chota Nagpore.	.....	.....	.....	.....	.....	.....	.....	.....	1,960	12	405	76	9	.....	.....	.....	...
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	6,39,245	1,44,281	7,29,421	1,84,870	2,49,096	33,737	11,97,124	5,76,574	2,009,290	7,51,139	3,30,034	32,794	10,474	1,497	16,146	61,325	76,123
OTHER PROVINCES.																	
Assam	14,694	952	15,389	112	191	.....	15,692	125	525	20,790	1,15,512	1,06,153	503	.....	.....	.....	...
North-Western Provinces and Oudh.	137	.....	137	94,548	81,070	8,433	1,84,188	1,178	12,530	3,48,914	37,018	807	5,554	8	5,620	12,053	...
Punjab	2	.....	2	37,926	25,778	3,635	67,341	.....	.....	3,953	.....	917	3,608	.....	.....	.....	2
Central Provinces	.....	.....	.....	15,105	1,159	.....	16,264	.....	35	1,683	.....	.....	.....	.....	.....	.....	...
Rajputana and Central India.	.....	.....	.....	.....	1	.....	1	.....	.....	2,946	.....	.....	348	.....	.....	.....	...
Bombay	.....	.....	.....	.....	.....	.....	.....	.....	600	.....	.....	.....	22,241	.....	544	.....	...
Madras	.....	.....	.....	.....	3,205	.....	3,205	.....	.....	.....	.....	.....	3,593	.....	1	.....	445
Burmah	4,488	279	4,662	.....	359	.....	5,021	.....	.....	.....	.....	.....	5,590	.....	.....	.....	...
Other places	10	.....	10	.....	3	.....	13	.....	286	.....	.....	.....	2,078	.....	39	.....	2
Grand Total of Imports in July 1889	6,58,576	1,45,512	7,40,521	3,32,361	3,60,862	45,805	14,88,549	5,77,877	2,023,266	11,23,525	4,82,564	1,40,671	53,989	1,445	22,350	73,378	76,572
Grand Total of Imports in July 1888	9,83,596	75,158	10,30,570	6,16,717	3,98,473	18,858	20,64,618	2,97,535	1,257,640	7,89,525	1,57,473	1,41,248	46,369	3,184	23,101	92,932	33,153

* One maund of paddy is equivalent to 25 seers of rice. † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of July, 1889, was as follows :—

EXPORTED FROM CALCUTTA—																	
To Indian ports, viz.—																	
Bombay	50,741	30	50,769	995	60	.....	51,815	.....	1,069,550	.....	38,673	2,725	86	.....	.....	.....	277
Madras	1	.....	1	99	15,340	.....	15,440	.....	134,300	.....	.....	.....	.....	103	.....	.....	...
Other ports in Madras	6,634	.....	6,634	10	2,250	.....	8,944	.....	87,500	.....	.....	2	.....	1	758	.....	...
Burmah	5,061	.....	5,061	1,149	26,813	.....	33,023	.....	708,000	.....	.....	28	.....	6	1,027	687	28,620
Other Indian ports	12,740	1,000	13,364	323	1,044	.....	15,331	.....	9,400	.....	.....	3	.....	.....	1,160	657	2,454
Pondicherry	.....	.....	.....	60	39	.....	99	.....	30,000	.....	.....	.....	.....	.....	.....	.....	...
Sind	.....	.....	.....	.....	.....	.....	.....	.....	177,700	.....	.....	.....	.....	.....	.....	.....	...
Total of Inter-portal trade	75,227	1,030	75,870	2,636	46,146	.....	1,24,652	.....	2,216,450	.....	38,673	2,758	86	110	3,345	1,344	30,751
To Foreign ports— United Kingdom	92,116	280	92,291	2,92,976	5,111	.....	3,90,378	67,819	2,518,800	7,84,330	2,91,814	92,710	4,379	269	27,003	28,549	...
Other Foreign ports	3,96,471	.....	3,96,471	1,34,253	27,281	7,098	5,65,103	8,240	6,963,700	3,07,226	27,644	6,929	6,910	575	69	.....	2,233
Total of Foreign trade	4,88,587	280	4,88,762	4,27,229	32,392	7,098	9,55,481	76,059	9,481,500	10,92,056	3,19,458	99,639	11,289	784	27,071	28,549	2,233
Grand Total of Exports in July 1889	5,63,814	1,310	5,64,632	4,29,865	78,538	7,098	10,80,133	76,059	11,697,950	10,92,056	3,58,131	1,02,397	11,375	894	30,416	29,893	33,984
Grand Total of Exports in July 1888	11,15,331	8,021	11,23,352	5,98,442	1,06,691	10,869	18,96,266	44,229	10,249,503	8,52,784	29,065	1,27,602	21,869	2,615	1,670	12,949	26,750

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of July 1889.

IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTES.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.				Drained.	Undrained.	Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	4,66,221	81,235	1,02,439	1,92,876	9,044	65,297	585,695	1,94,484	88,430	.....	3,887	246	16,819	34,140	13,626	979
,, river steamers ...	40,159	957	10,226	15,017	.....	81,972	.....	61,669	1,35,855	1,03,484	2,386	154	1,070	26	1,278	2
,, rail { East Indian Railway.	52,233	59,421	2,17,684	1,31,484	36,750	9,163	42,735	8,31,241	2,01,225	1,853	9,645	690	6,837	26,261	2,041	202
,, rail { Eastern Bengal State Railway.	50,970	843	1,969	17,271	11	4,15,740	1,357,650	36,000	57,012	34,127	1,751	355	339	9,512	54,582	.....
,, road	31,054	2,077	43	.....	.....	729	36,300	.....	.....	.....	675	.....	2,701	3,439	4,498	832
,, sea	17,939	979	.....	4,214	.....	4,976	886	131	42	1,207	35,644	.....	584	.....	547	524
Grand total of Imports in July ... { 1889 ...	6,58,576	1,45,512	3,32,361	3,60,862	45,805	5,77,877	2,025,266	11,23,525	4,82,564	1,40,671	53,989	1,445	22,350	73,378	76,572	2,539
1888 ...	9,83,596	75,158	6,16,717	3,98,473	18,858	2,97,535	1,257,640	7,89,525	1,57,473	1,41,248	46,369	3,184	23,101	92,932	32,153	30,069

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of July 1889.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.						
Burdwan ...	1,47,478	110	462	956	19,510	28,985
Beerbhoom ...	87,129	.....	122	521	13,833	16,170
Midnapore ...	1,04,288	.....	2,106	.....	37,528	42,829
Hooghly ...	66,193	2,400	690	93	1,197	65,103
24-Pergunnahs ...	91,081	3,568	266	.....	9,190	6,120
Nuddea ...	2,57,418	.....	2,380	.....	33,251	32,135
Khulna ...	53,227	.....	89	.....	5,325	245
Jessore ...	84,333	.....	550	.....	18,304	6,355
Moorshedabad ...	71,555	770	254	12	13,892	10,176
Dinagepore ...	74,718	.....	91	.....	15,955	3,210
Rajshahye ...	66,969	.....	211	.....	17,693	7,355
Rungpore ...	2,50,803	.....	170	.....	13,319	4,760
Bogra ...	73,710	.....	107	.....	1,946	12,495
Pubna ...	3,08,800	.....	111	.....	68,815	4,690
Darjeeling ...	68,229	.....	59	.....	4,691	.....
Julpigoree ...	86,625	.....	177	.....	6,648	140
Dacca ...	5,85,648	12,650	3,130	440	45,526	12,930
Furreedpore ...	3,37,932	.....	576	.....	35,110	9,135
Backergunge ...	57,823	.....	2,365	.....	27,200	805
Mymensingh ...	1,44,459	.....	18	41	15,650	.....
Tipperah ...	.....	.....	.....	.....	6,000	.....
Chittagong ...	14,175	.....	168	34	.....	7,500
Noakholly ...	.....	.....	.....	.....	6,525	.....
Total of Bengal...	30,32,593	19,498	14,102	2,097	4,17,380	271,138
BEHAR.						
Patna ...	1,13,752	550	284	589	38,169	210,165
Gya ...	35,154	220	72	678	15,037	3,500
Shahabad ...	1,56,332	.....	47	1,480	15,886	39,340
Mozufferpore ...	29,169	.....	151	42	7,518	7,595
Durbhunga ...	63,630	.....	2	486	39,143	53,340
Sarun ...	99,162	.....	8	146	20,135	57,785
Chumparun ...	1,42,884	220	4	26	9,323	18,795
Monghyr ...	32,571	.....	.....	505	9,702	14,980
Bhagulpore ...	55,235	.....	97	477	25,951	27,465
Purneah ...	1,13,778	.....	254	602	20,633	5,785
Maldah ...	.....	.....	16	.....	5,468	.....
Santhal Pergunnahs	1,36,847	.....	193	754	25,552	45,080
Total of Behar ...	9,56,514	990	1,128	5,765	2,32,517	483,770
ORISSA.						
Cuttack ...	3,050	.....	.....	.....	599	50
Balasore ...	87,400	.....	6,888	49	23,751	1,850
Total of Orissa ...	90,450	.....	6,888	49	24,350	1,900

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
CHOTA NAGPORE.						
Hazaribagh	35,532	.....	14	66	5,706	1,855
Manbhoom	58,716	.....	65	1,049	8,119	210
Total of Chota Nagpore ...	94,248	.....	79	1,115	13,825	2,065
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	41,75,805	20,488	22,197	9,026	6,88,072	7,58,873
OTHER PROVINCES.						
Assam	1,79,928	.....	131	284	37,968	2,170
North-Western Provinces and Oudh	17,08,434	10,230	3,446	1,279	19,821	196,340
Punjab	7,78,869	3,850	544	3	.....	238,805
Central Provinces	19,971	440	226	.....	.....	13,720
Rajputana and Central India	25,704	.....	163	1	.....	245
Berar	693	.....	.....	.....	.....	.....
Nizam's Territory	315	.....	.....	.....	.....	.....
Bombay	2,553	384	.....	.....	.....	1,069,550
Madras	54,720	659	277	219	.....	221,809
Pondicherry	960	.....	.....	.....	.....	30,600
Burmah	2,76,152	2,964	381	2,232	.....	708,000
Sind	.....	.....	.....	.....	.....	177,700
Other places	12,233	677	19	6,420	.....	9,481,500
Grand Total of Exports in July { 1889 ...	72,34,337	39,683	27,384	19,464	7,45,661	12,899,203
1888 ...	66,76,827	34,390	21,256	19,451	5,70,713	11,281,499

The Sea-borne Trade of Calcutta in these Staples during the month of July 1889 *was as follows:—*

IMPORTED INTO CALCUTTA—	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
From Foreign Ports—						
United Kingdom	93,29,975	.....	9,000	.....	6,93,079	.....
Other Foreign ports ...	89,872	.....	989	.....	1,48,912	286
Total of Foreign Trade ...	94,19,847	.....	9,989	.....	7,51,991	286
From Indian Ports—						
Bombay	52,127	1,89,404	.....	11,051	48,099	600
Madras	200	12,298	.....	.....	.....	.....
Other ports in Madras ...	90	.....	.....	120	2,000	.....
Burmah	9,527	.....	.....	19	.....	.....
Other Indian ports ...	.....	.....	.....	1	.....	.....
Total of Interportal Trade ...	9,824	2,01,702	.....	11,191	50,099	600
Grand Total of Imports in July { 1889...	94,29,671	2,01,702	9,989	11,191	8,02,090	886
1888...	1,01,61,187	1,74,549	12,620	16,447	7,20,589	4,125

* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of July 1889.

SPECIFICATION OF ROUTES.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats	94,597	1,700	1,989	.....	3,02,857	112,136
,, river steamers	3,68,674	.....	1,406	766	33,216	55,047
,, rail ... { East Indian Railway	38,62,152	22,049	6,259	9,078	2,90,813	956,340
,, rail ... { Eastern Bengal State Railway	23,62,689	.....	9,477	.....	92,623	72,135
,, road	96,935	4,263	520	66	3,849	5,576
,, sea	4,49,290	4,675	7,733	8,954	22,350	11,697,950
Grand Total of Exports in July { 1889 ...	72,34,337	39,683	27,384	19,464	7,45,661	12,899,203
1888 ...	66,76,827	34,390	21,256	19,451	5,70,713	11,281,499

STATISTICAL DEPARTMENT,
The 7th December 1889.

P. NOLAN,
Secretary to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan	14 8	13 4	11 0	No sale.			11 10	12 0	12 12	14 10	16 13	18 0	...	...	...
2	Bankoora ..	13 12	13 12	12 0	14 0	14 8	14 0	15 0	15 0	14 8	19 0	19 0	18 2		...	...
3	Beerbhoom ..	15 0	15 0	11 4	...	...	...	12 0	12 0	12 0	15 0	15 0	16 8	...	...	...
4	Midnapore ...	13 8	13 8	14 0	...	...	...	12 0	12 8	14 0	14 0	15 8	16 0	...	...	...
5	Hooghly	13 0	13 0	13 0	...	...	...	8 0	8 0	10 0	12 0	12 0	13 0	...	...	...
	Howrah	...	...	...	...	...	...	9 8	9 8	12 0	13 0	13 8	14 8	...	...	...
	Central Districts.															
	Calcutta	13 4	13 4	12 3	17 7	16 13	16 4	8 1	8 2	10 0	13 0	12 12	15 0	16 0	16 10	12 4
6	24-Pergunnahs	14 0	14 0	12 0	16 0	16 0	14 0	7 8	7 8	8 0	15 0	15 0	16 0	...	...	...
7	Nuddea ..	14 14	14 14	13 5¼	...	16 0	...	10 10½	10 8	12 5	12 6	12 6	18 5	...	...	...
8	Khoolna ...	...		...		...		11 4	11 0	13 4	12 8	14 0	16 0	...	...	...
9	Jessore ..	13 5	13 5	11 0	...	...	..	9 0	9 0	10 0	13 0	12 0	16 0	...	..	...
10	Moorshedabad	16 0	16 0	12 12	...	..	...	10 0	10 8	14 0	12 0	15 0	16 0	...	...	...
11	Dinagepore	15 12	16 0	12 0	16 0	23 0	12 8	12 0	13 4	15 8	16 0	17 12	19 3	...	...	...
12	Rajshahye ..	15 0	15 0	15 12	20 10	20 10	26 4	9 12	9 12	12 12	12 0	12 12	16 8	...	...	...
13	Rungpore ..	13 5	13 5	15 0	...	...	...	9 7	9 6	13 0	10 5	12 4	17 12	...	...	...
14	Bogra ...	13 8	13 8	12 0	...	...	...	12 0	12 0	15 0	New. 18 0 / Old. 13 8	14 4	19 8	...	...	...
15	Pubna ...	16 8	16 14	15 0	...	...	..	7 2	7 8	7 8	14 4	15 0	15 0	..	..	...
16	Darjeeling ..	11 0	10 0	10 0	10 0	9 0	10 0	5 0	5 0	5 0	12 0	12 0	11 0	..	...	...
17	Julpigoree ..	12 0	12 0	10 0	16 0	16 0	16 0	8 0	8 0	11 0	15 0	14 0	16 0	..	..	...
	Eastern Districts.															
18	Dacca ..	13 0	13 0	15 0	20 0	20 0	20 0	9 12	10 0	13 0	11 0	12 0	15 0	...	...	...
19	Furreedpore ...	13 0	13 0	18 0	12 0	...	32 0	8 0	8 0	12 0	10 0	12 0	14 0	...	...	...
20	Backergunge ...	...	...	...	...	...	...	10 0	10 4	12 5	15 0	15 0	14 9	...	...	...
21	Mymensingh ...	10 0	10 0	10 0	...	...	...	8 14	9 0	12 0	12 4	10 0	16 0	..	...	...

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 10 seers 6 chittacks, and Kanegunge 10½ seers.
B At Rampore Hât retail price of salt 9½ seers per rupee.
C In subdivisions retail prices of salt per rupee are :—Ghattal 10⅔ seers, Tumlook 8 seers, and Contai 8 seers.
D In Serampore and Jehanabad subdivisions retail price of salt 10 seers per rupee.
D1 In subdivisions retail prices of salt per rupee are :—Baraset 9 seers, Basirhat 9 seers, Diamond Harbour (Magrahat) 10 seers, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
E In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 10½ seers, Chooadanga 9 seers, and Ranaghat 9 seers 2 chittacks.
F In subdivisions retail prices of salt per rupee are :—Satchira 8 seers and Bagirhat 8 seers.
G In subdivisions retail prices of salt per rupee are :—Jhenida 9 seers, Magura 9⅔ seers, Narail 9⅔ seers, and Bongong 10 seers.
H In subdivisions retail prices of salt per rupee are :—Lalbagh 10 seers, Jungipore 10 seers, and Kandi 10½ and 10⅔ seers.

SEERS OF 80 TOLAHS.

Bajra or Cumbu. (*Pennisetum typhoideum.*)			Marua or Ragi. (*Eleusine Coracana.*)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	...	..	...
...	...	..	...	...	.
...	.	...	..	...	..
..	...	..	...	...	...
..	..	...	.	.	.
..	...	...	...	..	...
12 9	11 1	12 0	...	...	...
...	...	...	...	...	...
...	...	...	.		...
..	...	...	...	...	...
...	..	...	..	...	..
...	...	...	..	...	..
...	...	...	...	...	...
...	...	...	..	..	...
...	...			..	...
...	...	13 0	13 0	14 0	
..	...	...	.	.	
...	..	..	...	...	
	...	...	...	...	
	...	...	...	...	
	..	..	..	..	

Kangni or Kakun, Italian Millet. (*Setaria italica.*)			Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer arietinum.*)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	18 0	16 12	14 12
...	...	...	15 0	15 0	14 0
...	...	...	16 0	16 8	14 4
...	...	...	14 8	14 8	14 0
			15 8	15 8	
...	...	...	15 0	16 0	13 0
...	...	...	17 0	16 12	15 4
14 8	15 1	17 11	15 12	15 3	14 14
6 0	11 0	10 8	16 0	16 0	15 0
...	...	...	17 12	17 12	15 10
...	...	...	13 5	13 5	16 0
...	...	...	16 0	16 0	16 0
...	...	...	20 0	17 12	15 0
...	...	...	14 8	14 8	16 0
...	...	...	18 0	18 0	13 0
...	...	...	13 5	10 5	15
...	...	...	15 0	15 0	9 0
...	...	...	15 0	15 0	12
...	...	...	10 0	10 0	10
...	...	...	13 0	13 0	11
...	...	...	13 0	13 0	16
...	...	...	12 0	13 0	12
...	...	...	16 0	16 0	16
...	...	...	14 8	13 0	12

Head-quarter Station Bazars of the Districts of Bengal on the 30th November 1889.

INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR. CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
															BENGAL.
															Western Districts.
S. Ch.	S. Ch.	S Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S Ch	S Ch	Rs. A. P.	Rs. A. P	Rs. A. P.	
	No sale.		19 0	18 0	18 0	100 0	100 0	107 0	A 10 5	10 5	10 7½	3 12 0	3 11 3	3 11 0	Burdwan.
27 0	28 0	22 0	15 0	16 0	19 0	280 0	280 0	320 0	10 0	10 0	10 0	3 15 0	3 15 0	3 14 0	Bankoora.
...	...	...	10 8	10 8	9 0	160 0	160 0	160 0	B 10 8	10 8	10 0	3 10 0	3 10 0	3 13 0	Beerbhoom.
...	...	...	13 0	12 0	14 0	160 0	160 0	120 0	C 10 3	10 3	10 8	3 14 0	3 15 0	3 12 0	Midnapore.
...	...	...	11 0	11 0	13 0	120 0	120 0	120 0	D 9 0	9 0	9 0	3 11 6	3 11 6	4 6 0	Hooghly.
...	...	...	13 0	12 8	12 8	100 0	100 0	100 0	9 2	9 2	10 9	3 14 0	3 14 0	3 10 0	Howrah.
															Central Districts.
18 9	19 0	15 8	16 12	17 9	15 15	100 0	100 0	94 10	10 0	9 12	10 10	3 11 8	3 12 11	3 8 8	Calcutta.
...	...	...	18 0	18 0	17 0	100 0	100 0	100 0	DI 10 0	10 0	10 0	3 9 9	3 9 6	3 9 0	24-Pergunnahs.
...	...	...	13 5½	17 12	17 12	...	...	...	E 10 0	9 2	9 2	3 14 0	3 14 0	3 14 0	Nuddea.
...	...	...	...	...	...	160 0	140 0	160 0	F 8 8	8 0	9 0	4 4 0	4 8 0	4 0 0	Khoolna.
...	...	...	16 0	16 0	18 0	160 0	160 0	160 0	G 9 2	9 2	9 2	4 0 0	4 0 0	4 0 0	Jessore.
...	...	...	18 0	16 0	19 0	220 0	220 0	200 0	H 11 0	11 0	10 10	3 8 0	3 8 0	3 11 0	Moorshedabad.
...	...	...	...	19 4	9 8	160 0	160 0	160 0	I 9 8	8 12	10 0	4 0 0	4 8 0	3 14 0	Dinagepore.
...	...	...	16 13	17 4	11 8	240 0	240 0	240 0	J 8 10	9 9	9 12	4 5 4	4 2 3	3 13 4	Rajshahye.
...	...	...	14 8	12 4	7 7	100 0	100 0	120 0	K 8 14	8 14	9 6	4 8 0	4 8 0	4 4 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	9 0	9 0	8 0	4 2 8	4 2 8	4 5 4	Bogra.
...	...	...	17 4	17 4	21 0	200 0	200 0	200 0	L 7 6	8 11½	10 0	4 4 0	4 1 0	...	Pubna.
20 0	22 0	20 0	8 0	8 0	8 0	120 0	120 0	120 0	M 6 8	7 0	...	5 10 0	5 0 0	5 0 0	Darjeeling.
...	...	...	12 0	12 0	9 0	128 0	128 0	128 0	N 9 0	9 0	8 0	4 2 0	4 2 0	4 4 0	Julpigoree.
															Eastern Districts.
...	...	...	14 0	14 0	17 0	160 0	160 0	120 0	O 9 4	10 0	9 8	4 4 0	3 15 0	4 0 0	Dacca.
18 0	18 0	...	10 0	10 0	...	120 0	120 0	120 0	9 0	9 0	9 0	4 4 0	4 4 0	4 4 0	Furreedpore.
...	...	...	...	...	...	120 0	120 0	120 0	P 10 0	10 0	10 0	...	...	...	Backergunge.
...	...	...	10 0	...	13 0	...	...	..	Q 8 8	8 8	9 11	4 8 0	4 8 0	4 2 0	Mymensingh.

I In Thakurgaon subdivision retail price of salt 8 seers per rupee.
J In Nattore subdivision retail price of salt 9 seers per rupee.
K In subdivisions retail prices of salt per rupee are :—Gaibanda 8 seers, Kurigram 9 seers, and Nilphamari 10 seers.
L At Serajgunge retail price of salt 9½ seers per rupee.
M At Siliguri retail price of salt 8 seers per rupee.
N At Fallacatta in Alipore subdivision retail price of salt 8 seers per rupee.
O In subdivisions retail prices of salt per rupee are :—Manickgunge 8 seers, Moonshigunge 8¾ seers, and Naraingunge 9¾ seers.
P In subdivisions retail prices of salt per rupee are :—Patuakhali 9 seers, Perozepore 9 seers, and Bhola 8 seers.
Q In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Jamalpore 10 seers, Sherepore 8 seers, and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	***Eastern Districts*—concluded.**	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	10 0	10 0	10 8	...	...	...	8 0	8 0	11 0	15 0	15 0	18 0	...	...	...
23	Noakholly ...	...	...	...	..	...	...	11 0	11 0	16 0	13 0	13 0	18 0	...	...	...
24	Tipperah ...	11 7	12 5	12 8	..	..	..	8 14	10 10½	13 0	13 14½	17 12½	16 0	..	...	...
25	Chittagong Hill Tracts.	...	..	...	...	..	...	9 6	9 6	10 0	10 0	10 0	13 5	...	...	...
	Hill Tipperah...	6 0	6 0	8 0	...	...	...	8 0	8 0	10 0	12 0	12 0	18 0	..	...	...
	BEHAR.															
26	Patna ...	17 12 (Red.) / 15 2 (White.)	18 0 / 16 8	... / 16 8	22 0	21 0	21 0	10 8	10 0	12 0	17 13	16 8	16 8	24 0	24 0	...
27	Gya ...	17 8	14 12	13 8	19 0	18 0	15 4	10 0	10 0	9 8	18 0	16 8	14 0	...	...	...
28	Shahabad ...	16 0	14 0	14 8	20 0	20 0	18 0	10 0	9 0	10 8	14 0	12 0	14 13	23 0	20 0	19 0
29	Durbhunga ...	14 13	16 0	13 4	18 4	14 13	19 0	13 8	14 4	12 4	20 8	20 9	16 6	...	...	...
30	Mozufferpore	13 0	12 8	12 8	18 0	18 8	...	10 0	9 0	10 0	18 0	14 0	14 0	...	...	...
31	Sarun ...	15 8	15 8	14 0	21 0	19 8	16 8	8 8	8 8	8 8	14 6	11 12	12 0	...	...	...
32	Chumparun ...	12 0	12 0	14 0	13 0	12 0	17 0	9 0	8 0	9 0	20 0	18 0	17 0	..	...	...
33	Monghyr ...	20 8	18 14	15 4	21 0	18 14	13 13	12 1	11 9	12 9	18 6	13 10	16 12	...	...	...
34	Bhagulpore ...	18 15	17 10	15 7	18 15	18 15	12 10	12 0	12 0	11 6	15 2	16 6	15 2	...	...	...
35	Purneah ...	21 4	17 0	13 0	...	...	...	19 0	13 0	13 0	21 0	0 0	16 0	..	...	...
36	Maldah ...	18 0	14 0	14 8	...	...	..	11 0	12 0	12 0	14 0	14 0	16 8	...	...	...
37	Sonthal Perghs.	15 0	15 0	11 8	...	...	..	12 0	13 0	12 8	16 0	16 0	19 0	...	...	...
	ORISSA.															
38	Cuttack ...	14 7	13 2	11 13	.	.	...	10 8	10 8	11 13	18 6 (New.)	17 0	21 0	...	...	...
39	Pooree ...	13 2	13 2	10 8	...	...	...	13 6	13 2	11 13	18 4	17 1	17 1	...	...	...
40	Balasore ...	15 0	15 0	13 0	13 0	13 0	13 0	12 0	13 0	12 0	17 0*	22 0	22 0	...	...	...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
41	Hazaribagh ..	14 0	13 0	12 0	15 0	15 0	12 0	10 0	10 0	8 0	17 0 (Old.) / 22 0 (New.)	17 0 / 22 0	17 0	...	...	...
42	Lohardugga	11 0 (White.) / 11 8 (Red)	11 8 / 13 0	... / 12 0	13 5	3 0	...	13 8	13 0	13 0	16 0 / 21 0 (New.)	15 8 / 22 0 (New.)	New doan 17 0	..	...	...
43	Singbhoom ..	10 0	10 0	10 0	20 0	12 0	20 0	16 0	16 0	16 0	20 0	20 0	0 0	..	...	..
44	Manbhoom ..	13 5	12 0	10 8	...	....	...	13 0	14 0	2 0	23 0	24 8	21 0	..	...	...

* The price of rice was 16 seers per rupee just after the storm of 20th November, and prices have been generally very unsettled all over the district.

R At Cox's Bazar retail price of salt 8 seers per rupee.
S At Fenny Hât retail price of salt 8 seers per rupee.
T In subdivisions retail prices of salt per rupee are:—Buxar 10 seers, Sasseram 10½ seers, and Bhabuah 9½ seers.
U In subdivisions retail prices of salt per rupee are:—Madhubani 10 seers and Tajpore 11 seers.
V In subdivisions retail prices of salt per rupee are:—Hajipore 9¾ seers and Sitmarhi 10 seers.

CALCUTTA,
The 10th December 1889.

SEERS OF 80 TOLAHS.

Bajra or Cumbu. (*Pennisetum typhoideum.*)			Marua or Ragi. (*Eleusine Coracana.*)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	25 0	26 8	23 0
...	...	...	..	...	...
...	...	...	...	...	...
...	...	...	28 9	29 8	22 0
...	...	...	...	...	...
...	...	...	22 0	21 0	22 0
...	...	...	28 0	24 8	25 0
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	35 0	35 0	26 0
...	...	...	50 0	50 0	...
...	...	...	...	...	...
...	...	...	...	...	...

KANGNI OR KAKUN, ITALIAN MILLET. (*Setaria italica.*)			GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (*Cicer arietinum.*)		
Present return.	Next preceding return.	Corresponding return of last year	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	12 0	12 0	12 0
...	...	...	10 0	10 0	12 0
...	...	...	13 5	13 14½	14 4
...	...	...	...	...	...
...	...	...	12 0	12 0	12 0
19 0	22 0	13 0	23 0	24 0	19 0
15 0	15 0	15 4	19 0	18 0	16 0
...	...	...	22 0	20 0	17 8
14 13	...	...	22 13	20 8	16 8
...	...	...	20 0	18 0	16 0
14 0	12 0	15 0	20 8	19 8	16 8
...	...	...	22 0	16 0	16 0
...	...	...	24 2	22 5	17 13
...	...	...	19 9	19 9	16 0
...	...	...	20 0	30 0	13 0
...	...	...	16 0	13 0	16 0
...	...	...	16 0	16 12	14 0
...	...	...	20 5	20 5	17 1
...	...	...	17 1	17 1	13 2
...	...	...	14 0	14 0	12 0
...	...	...	15 0	15 0	14 0
...	...	...	13 8	14 0	14 0
...	...	...	10 0	10 0	12 0
...	...	...	15 12	16 0	13 0

Station Bazars of the Districts of Bengal on the 30*th November* 1889—(concluded).

INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR. CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
															Eastern Districts—concluded.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	...	...	...	100 0	100 0	110 0	9 0 R	9 0	9 0	4 0 0	4 0 0	3 14 0	Chittagong.
...	...	...	8 0	8 0	...	...	...	...	9 0 S	9 0	8 0	4 0 0	4 0 0	4 8 0	Noakholly.
...	...	...	8 0	8 0	8 0	...	...	...	8 14	8 14	8 0	4 8 0	4 8 0	4 6 0	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
...	...	...	8 0	8 0	12 0	...	...	...	8 0	8 0	9 0	4 6 0	4 6 0	4 4 0	Hill Tipperah.*
															BEHAR.
23 0	23 0	21 0	22 0	22 0	20 8	130 0	130 0	160 0	9 8	9 8	9 12	3 14 0	3 14 0	3 15 0	Patna.
...	...	...	19 0	19 0	18 0	200 0	200 0	200 0	9 2	9 2	9 2	4 2 0	4 2 0	4 0 0	Gya.
...	...	...	21 0	20 0	13 8	160 0	140 0	160 0	10 0 T	10 0	10 0	3 15 0	3 15 0	.....	Shahabad.
25 4	26 0	19 12	20 0	20 4	20 4	200 0	200 0	160 0	11 0 U	11 4	11 0	.....	3 8 0	3 10 0	Durbhunga.
22 0	22 0	19 0	22 0	17 8	20 0	160 0	160 0	160 0	10 0 V	10 0	10 0	.....	3 12 0	3 12 0	Mozufferpore.
21 8	22 0	19 4	20 8	21 8	19 8	160 0	160 0	160 0	9 8	9 8	9 14	4 2 0	4 2 0	4 0 0	Sarun.
25 0	22 8	21 0	17 0	17 8	22 0	160 0	160 0	160 0	9 8 W	10 0	10 0	4 2 0	.....	4 0 0	Chumparun.
25 4	23 1	17 0	18 14	18 14	17 13	147 0	147 0	168 0	9 12 X	9 8	9 15	3 14 6	4 0 0	3 10 9	Monghyr.
24 0	24 0	17 10	17 10	17 10	16 0	164 0	164 0	176 8	10 1	10 1	10 1	.....	.....	3 13 0	Bhagulpore.
...	...	...	17 0	16 0	16 0	120 0	200 0	120 0	10 4 Y	9 0	9 0	3 5 4	4 7 0	4 7 0	Purneah.
...	...	...	...	...	...	160 0	120 0	160 0	8 0	8 0	9 8	...	4 8 0	4 0 0	Maldah.
27 0	27 0	20 0	17 0	17 0	17 0	200 0	200 0	200 0	9 4	9 4	8 8	4 0 0	4 0 0	4 6 0	Sonthal Pergha.
															ORISSA.
...	...	...	18 6	18 6	17 11	80 0	80 0	80 0	11 0	11 0	11 0	3 12 0	3 12 0	3 12 0	Cuttack.
...	...	...	15 12	15 12	13 2	80 0	80 0	80 0	11 13 Z	11 13	11 13	3 6 0	3 6 0	3 6 0	Pooree.
...	...	...	...	...	...	160 0	160 0	140 0	9 0 Z1	9 0	9 8	4 2 0	4 2 0	3 15 0	Balasore.
															CHOTA NAGPORE *South-West Frontier Agency.*
30 0	30 0	20 0	17 0	16 0	15 0	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 3 0	Hazaribagh.
40 0	40 0	...	Large. 15 0 / Small. 15 8	15 0 / 15 8	16 8	140 0	140 0	140 0	8 8	8 8	8 8	4 8 0	4 9 0	4 8 0	Lohardugga.
32 0	32 0	...	12 0	12 0	15 0	200 0	200 0	260 0	7 0	7 0	7 0	5 8 0	5 8 0	5 8 0	Singbhoom.
22 0	32 0	25 0	15 0	15 0	16 8	200 0	200 0	280 0	9 0 Z2	9 0	9 2	4 4 0	4 2 6	4 4 0	Manbhoom.

W At Bettiah retail price of salt 9½ seers per rupee.
X In subdivisions retail prices of salt per rupee are:—Begusarai 9¼ seers and Jamui 9 seers.
Y At Kissengunge retail price of salt 8 seers per rupee.
Z In Khoorda subdivision retail price of salt 10 seers per rupee.
Z1 At Bhudruck retail price of salt 8 seers per rupee.
Z2 At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 11	2 12 3	3 0 6	2 0 10	2 1 10	2 3 9	4 10 9	4 10 0	3 11 11	2 13 0	2 13 9	2 6 7
2	Serajgunge ...	2 3 0	2 2 0	2 8 0	...	...	...	5 0 0	4 8 0	3 12 0	3 4 0	2 0 0	2 6 0
3	Dacca ...	3 0 0	3 0 0	2 10 0	1 15 0	1 15 0	1 15 0	4 0 0	3 15 0	3 0 0	3 9 0	3 8 0	2 9 0
4	Naraingunge	...	...	...	...	...	...	4 0 0	3 12 0	2 12 0	3 12 0	3 4 0	2 8 0
5	Chittagong ...	3 12 0	3 12 0	3 8 0	...	..	...	4 8 0	4 8 0	3 6 0	2 10 0	2 10 0	2 2 0
6	Patna ...	Red. 2 5 / White. 2 10 3	Red. 2 3 0 / White. 2 6 9	... / 2 6 0	1 12 6	1 14 0	1 12 0	3 12 0	3 14 0	3 5 0	2 3 6	2 5 6	2 6 0
7	Balasore ...	2 8 0	2 8 0	3 6 0	3 0 0	3 0 0	3 0 0	3 4 0	3 0 0	3 4 0	2 4 0	1 12 0	1 10 8
8	Pooree ...	...	...	...	...	..	..	...	...	...	2 4 3	2 5 9	2 2 6
9	Cuttack ...	2 12 0	3 0 0	3 4 0	..	..	...	3 0 0	3 0 0	3 4 0	2 3 0	2 6 0	1 11 6

CALCUTTA,
The 10th December 1889.

PRICES PER MAUND

Jowar or Cholum. (*Sorghum Vulgare.*)			Bajra or Cumbu. (*Pennisetum typhoideum.*)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
2 4 0	2 2 1	3 0 0	2 14 8	3 5 5	3 1 4
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	..	...	...
...	...	...	...	...	...
1 10 0	1 10 0	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	..	...	...	...

OF 40 SEERS.

Marua or Ragi. (*Eleusine Coracana.*)			Kangni or Kakun Italian Millet. (*Setaria italica.*)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A.
...	...	...	2 8 0	2 6 4	2
...	...	...	...	...	
...	...	...	...	...	
...	...	...	...	...	
...	...	...	...	...	
1 9 0	1 7 6	1 11 0	2 0 0	1 12 0	3
...	...	...	...	...	
...	...	...	...	...	
...	...	...	...	...	

in the undermentioned Marts of Bengal on the 30th November 1889.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (*Cicer Arietinum.*)			INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR, CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 4 6	2 6 3	2 7 1	1 14 3	1 14 2	2 5 4	2 2 6	2 0 3	2 4 2	0 5 6	0 5 6	0 6 2	3 11 8	3 12 11	3 8 8	Calcutta.
3 2 0	3 0 0	3 9 0	...	...	...	...	...	...	...	...	...	4 2 0	3 14 0	3 0 0	Serajgunge.
3 0 0	3 0 0	2 8 0	...	...	...	2 12 0	2 12 0	2 4 0	0 4 0	0 4 0	0 5 0	4 4 0	3 15 0	4 0 0	Dacca.
3 4 0	3 0 0	2 12 0	...	...	...	3 12 0	3 12 0	3 0 0	0 8 0	0 8 0	0 10 0	4 0 0	4 0 0	3 12 0	Naraingunge
3 4 0	3 4 0	3 5 0	...	...	...	...	...	...	0 7 0	0 7 0	0 5 0	4 0 0	4 0 0	3 14 0	Chittagong.
1 11 3	1 12 0	2 1 0	1 11 3	1 11 0	1 13 6	1 12 6	1 12 0	1 15 0	0 5 0	0 5 0	0 4 6	3 14 0	3 14 0	3 15 0	Patna.
2 12 0	2 12 0	3 4 0	...	...	...	...	...	...	0 4 6	0 4 6	0 5 0	4 2 0	4 2 0	3 15 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 6 0	3 6 0	Pooree.
1 14 0	14 0	2 2 0	...	...	...	2 2 0	2 2 0	2 8 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 12 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province

Meteorological Division.	District.	Representative stations.	Station Observations.															
			Air Pressure.					Temperature.						Humidity.		Cloud.		
			Highest, 8 A.M., barometer reading of month.	Lowest, 8 A.M., barometer reading of month.	Mean, 8 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 8 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 8 A.M.	Variation from normal mean, 8 A.M.	Rainfall.
Orissa.	Pooree	Pooree ...	29·995	29·672	29·913	29·926	—	89·2	64·3	84·2	69·6	76·9	—	83	—	3·4	—	17·2
		Gopalpore ...	29·980	29·634	29·906	29·956	—·067	88·7	62·9	83·9	69·7	76·9	+1·8	76	—	2·2	—	15·8
		False Point ...	29·998	29·706	29·916	29·978	—·078	86·4	59·5	82·7	66·9	74·8	+0·9	86	+5	4·3	+1·8	13·7
	Cuttack	Cuttack ..	29·944	29·646	29·873	29·957	—·059	89·3	59·8	83·8	67·2	75·5	—0·2	74	+1	3·5	+0·6	10·3
	Balasore	Balasore ...	29·977†	29·771	29·899	29·960	—·066	87·4†	58·6	82·6†	64·8	73·6†	+1·2	84	—	2·6	—	6·2
South-West Bengal.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island ...	30·013	29·800	29·927	29·954	— 061	85·7	61·4	80·6	69·4	75·0	+2·2	87	+4	4·7	+1·5	6·6
	Midnapore	Midnapore ...	29·876	29·703	29·811	29·967	—·066	88·3	58·2	82·5	65·4	74·0	+1·2	71	—	2·6	—	3·9
	24-Pergunnahs, Howrah and Hooghly.	Calcutta ...	30·012	29·822	29·935	29·957	—·063	85·0	58·8	80·4	66·7	73·5	+0·6	80	+1	4·0	+1·4	3·1
	Burdwan	Burdwan ...	29·932	29·763	29·851	29·955	—·077	87·8	59·5	82·5	67·2	74·9	+1·5	76	+2	3·8	+1·3	4·9
	Bankoora	Bankoora ...	29·701	29·566	29·633	29·945	—·073	88·1	57·7	81·9	64·2	73·0	—1·0	80	—	3·2	—	4·1
	West Burdwan and Beerbhoom.	Ranigunge ..	29·761	29·548	29·632	29·977	—·054	90·0	57·4	83·4	64·0	73·7	+1·1	78	—	3·0	—	7·3
	Moorshedabad	Berhampore ...	29·968	29·820	29·886	29·955	—·075	86·6	60·2	81·9	67·2	74·5	+1·6	86	+8	3·7	+1·5	3·9
	Nuddea	Krishnagore ...	29·997	29·832	29·911	29·979	—·054	87·2	57·8	81·9	65·8	73·9	+0·7	85	—	4·0	—	5·8
	Jessore and Khoolna ...	Jessore ...	30·011	29·844	29·916	29·951	—·061	87·7	63·5	82·3	69·1	75·7	+0·4	90	+11	4·1	+1·4	7·6
East Bengal.	Chittagong	Chittagong ...	29·951	29·786	29·842†	29·934†	—·065	90·6	63·2	84·4	69·9	77·0	+2·7	90	+2	6·0	+2·7	1·5
	Chittagong Hill Tracts	Demagri ...	Observations not received.															
	Backergunge	Barrisal ...	30·025	29·856	29·924	29·937	—·044	88·3	63·1	82·2	69·4	75·8	+2·0	88	—	3·6	—	2·9
	Noakholly	Noakholly ...	30·009	29·820	29·901	29·946	—	89·5	62·0	83·4	68·3	75·9	—	89	—	1·0	—	3·6
	Furreedpore	Furreedpore ...	30·019	29·865	29·934	29·965	—·034	86·5†	62·5	81·2	69·0	75·2	+2·5	85	—	3·4	—	7·2
	Dacca	Dacca ..	30·023	29·859	29·917	29·940	—·061	90·1	62·3	83·1	68·5	75·8	+0·9	84	+4	3·8	+1·7	3·7
	Tipperah	Commillah ...	30·063d	29·817d	29·894d	29·930d	—·061	89·4	62·9	83·6e	68·8†	76·2e	+2·1	86g	—	3·5	—	2·9
	Mymensingh	Mymensingh ...	29·994	29·816	29·883	29·943	—·057	89·3	60·6	83·0	67·9	75·5	+2·0	90	—	3·8	—	2·0
North Bengal.	Bogra	Bogra ...	29·966	29·816	29·872	29·937	—·039	88·3	57·9	82·8	66·6	74·7	+1·4	83	—	2·6	—	1·2
	Pubna	Serajgunge ...	29·996	29·837	29·895	29·942	—·068	88·2	58·6	82·5	67·1	74·9†	+2·6	87	—	3·4	—	2·6
	Rajshahye	Rampore Beauleah.	29·966	29·820	29·883	29·955	—·052	86·8	58·2	81·5	66·4	74·0	+3·6	81	—	1·9	—	2·4
	Maldah	Maldah ...	29·971	29·820	29·894	29·978	—	88·6	58·2c	82·9	64·5	73·6	—	78	—	2·0	—	0·8
	Dinagepore	Dinagepore ...	29·922	29·787	29·837	29·962	—·039	88·6	56·2	83·4	64·8	74·1	+3·1	85	—	2·6	—	Nil
	Rungpore	Rungpore ..	29·937	29·782	29·842	29·971	—·057	88·0	56·7	83·8	65·0	74·4	+3·7	83	—	1·7	—	Nil
	Julpigoree and Cooch Behar.	Julpigoree ...	29·773	29·616	29·684	29·981	—·045	87·4	56·9	83·3	63·4	73·4	+2·9	87	—	0·6	—	0·7
	Darjeeling Hill Tracts...	Darjeeling ...	23·107	22·901	23·026	—	—·030	62·1	41·0	58·0	46·2	52·1	+4·2	77	+8	3·8	+0·7	0·1
North Behar.	Purneah and North Bhagulpore.	Purneah ...	29·924	29·765	29·836†	29·967†	—·064	86·2	55·5	82·3	62·7	72·5	+2·1	83	+3	1·2	+0·3	Nil
	Mozufferpore	Mozufferpore ...	Observations suspended.															
	Durbhunga	Durbhunga ...	29·906	29·737	29·804	29·978	—·069	87·9	58·6†	84·1	64·7†	74·4†	+3·0	76	—3	0·6	—0·2	Nil
	Chumparun	Motihari ...	29·843	29·678	29·746	29·783	—·042	86·6	53·5	83·0	60·4	71·7	+2·7	82	—	0·9	—	0·6
	Sarun	Chupra ...	29·867	29·674	29·789†	29·939†	—·036	89·3	55·0	83·0	60·8	71·9	+2·0	75	—	1·0	—	1·1
South Behar.	Shahabad	Dehree ...	29·695	29·545	29·627†	29·998	—·056	87·8†	55·5†	83·1†	62·0†	72·6	+3·5	75†	—	1·8†	—	0·2
		Buxar ...	29·804	29·655	29·735	29·991†	—·063	87·4	53·4	82·4	60·7	71·6	+1·5	67	—	1·2	—	2·4
		Arrah ...	29·859	29·703	29·785	29·989	—·046	89·9	52·1	83·8	59·7	71·8	+2·3	73	—	2·1	—	0·2
	Gya	Gya ...	29·669	29·518	29·603	29·998	—·055	88·9	53·0	83·7	62·2	73·0	+2·3	77	+14	2·2	+0·4	0·5
	Patna	Bankipore ...	29·880	29·718	29·800	29·992	—·067	87·9	54·4	83·6	62·3	72·9	+2·3	67	—2	2·2	+0·7	Nil
	South Bhagulpore and Monghyr.	Bhagulpore ...	29·886	29·729	29·798	29·966	—·065	87·7	54·0	83·3	62·6	73·0	+3·1	78	—	2·6	—	0·9
	Sonthal Pergunnahs ...	Naya Doomka...	29·541	29·393	29·461	29·977	—	86·1	55·0	81·6	63·1	72·3	—	74	—	2·3	—	2·3
Chutia Nagpur.	Hazaribagh	Hazaribagh ...	27·926	27·849	27·931	29·997	—·059	81·1	52·4	76·8	59·1	68·0	+1·1	67	+8	2·8	+0·4	1·4
	Lohardugga ... ... Manbhoom	Ranchee ...	27·870	27·659	27·798	29·980	—·061	81·5	49·4	76·6	57·4	67·0	+1·4	69	—	3·0	—	1·7
	Singbhoom	Chyebassa ...	29·263	29·091	29·199	29·989	—	85·7d	54·7d	80·6d	62·5d	71·6d	—	79d	—	3·6d	—	3·2
Assam	Assam	Sibsagar ...	29·802	29·614	29·676	30·023	—·046	86·8	64·7	80·1	65·5	72·8	+3·7	97	+2	8·3	+3·8	0·8
		Dhubri ...	29·941*	29·793*	29·851*	29·973*	—·066	84·9	62·0	81·3	67·8	74·6	+2·8	89	+5	4·0	+2·9	0·9
		Silchar ...	29·948	29·777	29·836	29·945	—·066	92·5	65·3	85·2	69·7	77·4	+3·2	89	+5	6·5	+2·7	2·7

† Means of 29 days.
d ,, 26 ,,
e ,, 27 ,,

g Means of 28 days.
* ,, 22 ,,

Bengal for the month of November 1889.

DISTRICT OBSERVATIONS.													
RAINFALL.													
Of month.					Since 15th May 1889.					Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.	
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.				
14·64	2·02	+12·62	7·0	3·0	74·53	54·46	+20·07	94·5	80·8	Pooree ...	Pooree	Orissa	
—	—	—	—	—	—	—	—	—	—	Gopalpore ...			
—	—	—	—	—	—	—	—	—	—	False Point ...			
9·85	0·96	+8·89	6·8	1·8	66·19	51·02	+15·17	92·7	77·4	Cuttack ...	Cuttack		
6·66	0·82	+5·84	6·3	1·5	49·87	52·56	−2·69	82·9	75·5	Balasore ...	Balasore		
6·56	0·61	+5·95	6·7	1·4	58·39	61·60	−3·21	98·5	83·8	Saugor Island ...	South-West Midnapore and South 24-Pergunnahs.	South-West Bengal.	
2·89	0·22	+2·67	6·7	0·8	46·29	50·76	−4·47	85·4	76·5	Midnapore ...	Midnapore		
3·11	0·31	+2·80	7·2	1·1	53·38	50·86	+2·52	91·0	88·2	Calcutta ...	24-Pergunnahs, Howrah, and Hooghly.		
7·04	0·31	+6·73	7·7	0·7	43·83	46·13	−2·30	83·5	74·3	Burdwan ...	Burdwan		
3·69	0·30	+3·39	8·0	0·8	55·88	51·56	+4·32	82·4	80·6	Bankoora ...	Bankoora		
4·59	0·14	+4·45	6·8	0·6	52·44	51·02	+1·42	84·5	81·6	Ranigunge ...	West Burdwan and Beerbhoom.		
3·59	0·24	+3·26	5·2	0·5	51·15	49·93	+1·22	81·9	77·4	Berhampore ...	Moorshedabad		
7·40	0·32	+7·08	6·8	0·7	51·49	48·61	+2·88	87·2	76·7	Krishnagore ...	Nuddea		
5·69	0·37	+5·32	7·5	1·0	53·33	52·46	+0·87	95·7	83·0	Jessore ...	Jessore and Khoolna ...		
1·39	2·14	−0·75	5·0	2·5	99·60	112·54	−12·94	109·5	105·7	Chittagong ...	Chittagong		
4·39	2·33	+2·06	5·5	3·2	64·45	80·35	−15·90	96·5	111·6	Demagri ...	Chittagong Hill Tracts	East Bengal.	
2·79	1·38	+1·41	6·0	1·7	77·58	75·90	+1·68	100·9	103·6	Barrisal ...	Backergunge		
2·99	2·52	+0·47	9·0	2·2	90·03	105·66	−15·63	109·6	105·5	Noakholly ...	Noakholly		
6·35	0·39	+5·96	7·0	1·0	60·30	55·13	+5·17	82·9	85·0	Furreedpore ...	Furreedpore		
4·90	0·57	+4·33	8·8	1·1	74·39	58·92	+15·67	105·0	89·0	Dacca ...	Dacca		
2·76	0·74	+2·02	8·3	1·5	55·45	68·28	−12·85	92·8	94·4	Commillah ...	Tipperah		
2·47	0·24	+2·23	4·4	0·8	87·63	66·71	+20·92	105·2	87·2	Mymensingh ...	Mymensingh		
1·05	0·35	+0·70	3·3	0·7	64·80	56·69	+8·11	101·6	76·1	Bogra ...	Bogra	North Bengal.	
5·57	0·27	+5·30	8·0	0·8	54·99	52·81	+2·18	101·0	79·2	Serajgunge ...	Pubna		
2·19	0·20	+1·99	5·7	0·4	54·30	53·27	+1·03	89·6	75·6	Rampore Beauleah.	Rajshahye		
0·50	0·18	+0·32	2·0	0·4	39·76	53·62	−13·86	73·5	81·6	Maldah ...	Maldah		
0·27	0·06	+0·21	1·8	0·2	57·37	56·83	+0·54	82·9	76·3	Dinagepore ...	Dinagepore		
0·06	0·10	−0·04	1·0	0·3	85·16	73·19	+11·97	85·4	75·1	Rungpore ...	Rungpore		
0·38	0·06	+0·32	1·2	0·2	117·13	110·61	+6·52	103·0	95·1	Julpigoree ...	Julpigoree and Cooch Behar.		
0·60	0·25	+0·35	1·5	1·1	132·75	120·16	+12·59	122·8	109·8	Darjeeling ...	Darjeeling Hill Tracts.		
Nil	0·06	−0·06	0·0	0·2	74·71	58·06	+16·65	75·0	68·4	Purneah ...	Purneah and North Bhagulpore.	North Behar.	
0·21	0·08	+0·13	1·0	0·3	48·66	42·76	+5·90	69·8	55·7	Mozufferpore ...	Mozufferpore		
0·01	0·06	−0·05	0·3	0·3	51·84	43·97	+7·87	65·7	56·0	Durbhunga ...	Durbhunga		
0·68	0·02	+0·66	1·5	0·2	63·55	45·91	+17·64	64·5	52·1	Motihari ...	Chumparun		
1·04	0·18	+0·86	1·3	0·5	40·13	42·14	−2·01	58·4	55·5	Chupra ...	Sarun		
0·99	0·24	+0·75	2·0	0·4	40·07	39·01	+1·06	68·4	58·4	Dehree ...	Shahabad	South Behar.	
										Buxar ...			
										Arrah ...			
0·24	0·24	0	1·3	0·5	37·07	40·71	−3·64	63·8	55·2	Gya ...	Gya		
0·19	0·19	0	1·3	0·4	43·49	40·59	+2·90	62·9	60·0	Bankipore ...	Patna		
0·12	0·18	−0·06	1·0	0·4	42·43	42·51	−0·08	69·4	64·2	Bhagulpore ...	South Bhagulpore and Monghyr.		
1·70	0·16	+1·54	4·2	0·6	54·15	50·28	+3·87	83·1	74·3	Naya Doomka ...	Sonthal Pergunnahs ...		
1·03	0·31	+0·72	3·6	1·0	43·03	49·55	−6·52	83·8	79·0	Hazaribagh ...	Hazaribagh	Chutia Nagpur.	
0·97	0·44	+0·53	3·0	0·9	44·34	47·84	−3·50	82·1	82·9	Ranchee ...	Lohardugga		
2·05	0·18	+1·87	6·5	0·9	38·33	46·22	−7·89	96·5	81·7		Manbhoom		
2·44	0·24	+2·20	7·0	1·5	48·76	50·48	−1·72	100·0	89·2	Chyebassa ...	Singbhoom		
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Sibsagar ...	Assam ...	Assam.	
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dhubri ...			
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Silchar ...			

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Orissa	Pooree	Pooree	...	...	...	...	...	...	...	...	...	...	...	...	...	2·83	0·50	0·23	...	0·29	2·85	16·84
		Khurdah	...	...	...	...	...	...	...	...	...	...	...	...	...	0·39	1·70	0·31	...	...	2·85	3·00
		Banpur	...	...	...	...	...	...	...	...	...	...	...	...	...	1·73	3·50	0·13	...	0·80	2·10	5·30
		False Point	...	...	...	...	...	...	...	...	...	...	...	...	...	0·64	0·70	3·21	...	0·41	2·83	6·94
		Gop	...	...	...	...	...	...	...	...	...	...	...	...	...	1·00	2·00	0·02	...	0·42	4·40	7·42
		Pipli	...																			
	Cuttack	Jagatsingpore	...	...	...	...	...	...	...	...	...	...	...	...	...	0·60	1·86	0·98	...	0·19	2·12	3·70
		Banki	...	...	...	...	...	...	...	...	...	...	...	...	...	0·25	0·79	0·78	...	0·05	1·20	3·57
		Cuttack	...	...	...	...	...	...	...	...	...	...	...	...	...	0·65	2·12	0·70	...	0·85	1·12	5·20
		Kendrapara	...	...	...	...	...	...	...	...	...	...	...	...	...	0·56	0·30	0·96	...	0·17	1·04	5·60
		Jajpore	...	...	...	...	...	...	...	...	...	...	...	...	...	0·86	1·87	1·21	...	...	0·46	4·04
		Dharmsalla	...	...	...	...	...	...	...	...	...	...	...	...	...	6·60	2·00	1·40	...	...	2·10	1·99
		Satipore	...	...	...	...	...	...	...	...	...	...	...	...	...	3·00	0·60	...	...	...	1·40	4·65
	Balasore	Chandbali	...	...	...	...	...	...	...	...	...	...	...	...	...	1·40	0·60	3·30	...	...	0·96	3·40
		Bhuddruck	...	...	...	...	...	...	...	...	...	...	...	...	...	0·21	2·34	2·16	...	...	0·40	2·58
		Sorah	...	...	...	...	...	...	...	...	...	...	...	...	...	0·50	1·70	1·00	...	...	0·30	2·30
		Balasore	...	...	...	...	...	...	...	...	...	...	...	...	...	0·10	1·72	1·15	...	...	0·42	2·86
		Jellasore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·50	0·80		...	0·20	1·80
		Baripodah	...	...	...	...	...	...	...	...	...	...	...	...	...	0·25	1·10	...	0·02	0·26	1·70	0·72
South-West Bengal.	Midnapore	Contai	...	...	...	...	...	...	...	...	...	...	...	...	...	0·48	1·19	3·62	...	...	0·38	1·93
		Saugor Island	...	...	...	...	...	...	...	...	...	...	...	...	...	0·06	1·21	2·32	...	0·04	0·54	2·05
		Tumlook	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·40	0·90	...	...	0·10	0·70
		Midnapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·43	2·20	...	...	0·13	0·75
		Ghatal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·49	0·92	0·02	...	0·10	0·33
		Kukrahaty	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·57	1·52	...	0·06	0·47	1·40
		Heria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·74	2·65	...	...	0·29	1·05
		Bhagwanpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·51	1·35	...	...	0·17	0·35
		Garbeta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·62	1·00	...	...	0·12	0·29
	24-Pergunnahs	Diamond Harbour.	...	...	...	...	...	...	...	...	...	...	...	...	...	0·42	0·58	2·40	0·02	...	0·24	1·18
		Canning Town	...	...	...	...	...	...	...	...	...	...	...	...	...	0·07	0·95	1·00	...	...	0·31	0·74
		Alipore Jail	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·38	1·29	0·02	...	0·09	0·34
		Barrackpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·35	0·55	...	0·02	0·10	0·13
		Dum-Dum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·90	1·08	...	...	0·12	0·28
		Baraset	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·64	1·15	...	0·02	0·11	...
		Buseerhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·67	1·59	...	...	0·25	0·23
	Howrah	Howrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·96	0·99	0·01	0·01	0·11	0·30
		Mohesreka (*Oolooberiah*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·86	...	...	0·13	0·43
	Hooghly	Serampore	...	...	...	...	...	...	...	...	...	...	...	...	...	0·04	1·35	0·55	0·02	...	0·10	0·18
		Hooghly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·30	0·66	0·04	...	0·06	0·14
		Jehanabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·80	0·70	0·05	0·02	0·05	0·24
	Burdwan	Culna	...	...	...	...	...	...	...	...	...	...	...	...	...	0·42	1·30	3·25	...	0·06	...	0·25
		Burdwan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·85	3·01	0·04	0·39	0·02	0·21
		Cutwa	...	...	...	...	...	...	...	...	...	...	...	...	...	1·05	5·35	3·25	0·05	0·31	0·07	0·30
		Raneegunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·01	3·38	...	0·34	0·02	0·30
		Mankur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·62	3·88	...	0·15	...	0·16
	Bankoora	Bankoora	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	0·79	2·60	0·01	0·06	0·66	0·23
		Bishenpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·12	1·22	0·01	0·56	0·03	0·15
		Maliara	...																			
		Khatra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·40	0·78	...	0·13	0·10	0·33
		Indas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·68	1·70	...	0·54	0·02	0·19
		Kotalpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·74	...	0·13	...	0·25
		Anda	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15	0·20	0·20	0·25	...	0·15	0·20
		Gangajalghati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·10	4·22	...	0·38	...	0·25
		Raipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·90	0·16	0·05	0·72	...	0·53
		Sonamukhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·65	1·87	...	0·19	0·09	0·11
	Beerbhoom	Bh. Soory	...	...	...	...	...	...	...	...	...	...	...	...	...	0·08	1·48	1·61	0·02	0·27	0·01	0·26
		Hetampore	...	...	...	...	...	...	...	...	...	...	...	...	...	2·27	1·32	...	0·29	...	0·27	0·24
		Rampore Haut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·28	1·13	...	0·11	...	...
		Bolpur	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	2·01	2·04	0·03	0·10	...	0·12
		Murarai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·83	0·75	...	0·15	...	...
	Nuddea	Ranaghat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·43	1·65	0·07	...	0·08	0·16
		Kishnaghur	...	...	...	...	...	...	...	...	...	...	...	...	...	0·58	1·05	5·91	0·21	0·02	0·02	0·20
		Chooadanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·25	7·70	...	...	...	...
		Meherpore	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	0·61	3·82	0·21	0·09	...	...
		Kooshtea	...	...	...	...	...	...	...	...	...	...	...	...	...	0·06	3·18	4·08	0·29	0·04	...	0·19
	Khoolna	Satkhira	...	...	...	...	...	...	...	...	...	...	...	...	...	0·09	1·11	1·09	0·17	0·01	0·24	0·16
		Bagirhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·37	0·65	0·61	...	0·25	0·73
		Khoolna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·98	1·59	0·28	...	0·26	0·15
	Jessore	Narail	...	...	...	...	0·54	...	...	...	...	...	...	...	...	...	1·18	1·65	0·02	0·01	0·18	0·08
		Jessore	...	...	...	...	...	0·12	...	...	...	...	...	...	...	...	1·54	2·61	0·19	0·02	0·13	0·11
		Jhenidah	...	...	...	...	...	...	...	...	...	...	...	...	...	0·45	0·87	5·73	0·60	...	0·12	0·13
		Magoorah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·77	5·32	1·63	0·02	0·10	0·12
		Bongong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·55	2·15	...	...	...	0·18
	Moorshedabad	Kandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·20	2·04	...	0·15	...	0·13
		Berhampore	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	1·11	2·45	0·05	0·13	...	0·12
		Lalbagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·20	2·29	1·01	0·14	...	...
		Azimgunge	...																			
		Jungipore	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	0·40	1·42	0·02	0·05	...	...
		Lalgola	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·95	0·70	...	...	0·15	...
		Jiagunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·75	1·74	0·10	...	0·12	0·06
		Akhriganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·32	1·46	0·14	...	...	...
		Patkabari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·50	3·50	0·20	0·20	...	0·10	...
East Bengal	Chittagong	Cox's Bazar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chittagong	...	...	...	...	...	...	...	...	...	...	...	...	...	0·02	0·22	...	0·02	...	0·02	0·05
		Kutubdia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·25	...	...	0·23	...	...
		Satkanya	...	...	...	...	...	...	...	...	...	...	...	...	...	0·08	...	...	0·35	0·08	...	...
	Chittagong Hill Tracts.	Rangamati	...	...	...	...	...	...	...	...	...	...	...	...	2·00	0·79	...	0·41	...	...	...	0·57
		Ruma	...	...	...	...	...	...	...	...	...	...	...	...	0·77	2·55	0·69	...	...	...	...	...

in Bengal in November 1889.

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1889 up to 30th Nov. 1889.	Average rainfall from 1st January up to 30th Nov.	Station.	District.	Meteorological division.
0·11	...	...	...	...	...	...	...	...	...	7	3·2	17·65	2·16	10·84	80·59	53·95	Pooree	Pooree	ORISSA.
12·00	...	...	...	...	...	...	...	...	...	6	3·1	10·16	1·81	3·09	76·86	58·81	Khurdah.		
0·60	...	...	...	...	...	...	...	...	...	7	2·3	14·16	1·98	5·30	66·78	51·56	Banpur		
1·04	0·81	...	...	...	...	...	...	...	...	8	3·4	16·58	2·28	6·94	78·48	58·80	False Point		
...	...	...	...	...	...	...	...	...	...	6	?	15·26	?	7·42		?	*Gop.*		
											?		?			?	*Pipli.*		
0·36	...	...	...	...	...	...	...	...	...	7	1·4	10·41	1·34	3·70	76·40	51·56	Jagatsingpore	Cuttack.	
0·45	...	...	...	...	...	...	...	...	...	7	2·8	7·09	1·33	3·57	54·03	51·56	Bar		
1·70	...	...	...	...	...	...	...	...	...	7	2·4	11·54	1·07	5·20	76·37	57·60	Cuttack.		
1·08	...	...	...	...	...	...	...	...	...	7	1·6	10·31	0·95	5·50	73·92	56·62	Kendrapara.		
1·45	...	...	...	...	...	...	...	...	...	6	1·0	9·89	0·75	4·04	59·83	59·29	Jajpore.		
1·00	...	...	...	...	...	...	...	...	...	6	?	2·00	?	2·10	61·25	?	*Dharmsala.*		
0·99	...	...	...	...	...	...	...	...	...	5	?	10·55	?	4·65	74·07	?	*Salipore.*		
0·30	...	...	...	...	...	...	...	...	...	6	2·0	9·96	1·55	3·40	57·42	58·22	Chandbali	Balasore.	
0·80	...	...	0·02	0·02	...	...	...	...	...	8	1·8	8·23	0·99	2·58	60·43	58·16	Bhanddruck.		
0·50	...	...	...	...	...	...	...	...	...	6	1·5	6·90	0·85	2·80	40·64	56·75	Sorah.		
0·18	...	...	...	...	...	...	...	...	...	6	1·6	6·37	1·05	2·80	59·07	66·50	Balasore.		
0·12	...	...	...	...	...	...	...	...	...	5	1·0	4·22	0·42	1·80	40·73	57·18	Jellasore.		
0·22	...	...	...	...	...	...	...	...	...	7	1·1	4·27	0·65	1·70	60·51	59·95	Baripodah.		
0·11	...	...	...	...	...	...	...	...	...	8	1·1	7·71	1·02	3·62	57·02	68·59	Contai	Midnapore	SOUTH-WEST BENGAL.
0·38	...	...	...	...	...	...	...	...	...	7	1·9	6·60	0·81	2·32	58·22	73·92	Sangor Island.		
0·20	...	...	...	...	...	...	...	...	...	5	1·0	2·30	0·19	0·90	52·50	58·19	Tumlook.		
0·35	0·39	...	...	0·03	...	...	...	...	...	7	1·2	4·25	0·32	2·20	55·08	59·30	Midnapore.		
0·30	0·02	...	0·02	...	...	...	...	...	...	8	1·0	2·10	0·15	0·92	46·39	61·83	Ghatal.		
0·54	...	...	...	...	...	...	...	...	...	6	?	3·65	?	1·52	62·97	?	*Kukrahaty.*		
0·25	...	...	...	...	...	...	...	...	...	5	?	4·98	?	2·65	67·05	?	*Heria.*		
0·20	...	...	...	...	...	...	...	...	...	5	?	3·18	?	1·35	57·99	?	*Bhagwanpore*		
0·33	0·08	...	...	...	...	...	...	...	...	6	?	2·43	0·40	1·00	47·77	57·25	*Garbeta.*		
0·55	...	...	...	...	...	...	...	...	...	7	1·3	5·38	0·38	2·40*	66·46	66·39	Diamond Harbour.	24-Pergunnahs.	
0·23	...	...	...	...	...	...	...	...	...	6	?	3·91	?	1·60	60·71	?	*Canning Town.*		
0·48	0·09	...	...	...	...	...	...	...	...	7	1·2	3·69	0·42	1·38	58·28	62·97	Alipore Jail.		
0·22	0·25	...	...	...	...	...	...	...	...	7	1·2	2·64	0·59	1·35	54·55	55·73	Barrackpore.		
0·47	0·15	0·09	...	...	...	...	...	...	...	7	1·2	4·09	0·29	1·96	69·12	59·89	Dum-Dum.		
0·42	0·02	...	...	...	...	...	...	...	...	6	1·1	4·36	0·36	2·64	61·40	58·51	Barasat.		
0·41	...	...	...	...	...	...	...	...	...	5	1·1	3·15	0·37	1·59	63·56	62·22	Buseerhat.		
0·23	0·29	0·01	0·01	...	...	...	...	...	...	10	1·8	2·92	0·41	0·99	64·11	61·09	Howrah	Howrah.	
0·11	0·03	...	...	...	...	...	...	...	...	5	0·7	1·61	0·45	0·86	60·27	59·76	Mohesraka (*Oolooberiah*)		
0·24	0·26	...	...	...	...	...	...	...	...	8	1·1	2·74	0·40	1·35	58·42	58·02	Serampore	Hooghly.	
0·35	0·06	...	...	...	...	...	...	...	...	7	0·9	2·61	0·40	1·30	40·40	59·54	Hooghly.		
0·28	0·05	0·02	0·08	...	...	...	...	...	...	10	0·5	3·25	0·26	1·80	45·09	62·35	Jehanabad.		
0·44	0·05	...	...	...	...	...	...	...	...	7	0·6	5·77	0·58	3·25	43·77	52·64	Culna	Burdwan.	
0·33	0·08	...	...	...	...	...	...	...	...	8	0·9	4·93	0·37	3·01	49·31	57·02	Burdwan.		
0·04	...	...	...	...	...	...	...	...	...	8	0·6	10·42	0·31	5·35	45·08	55·20	Cutwa.		
0·26	0·02	...	...	...	...	...	...	...	...	7	0·6	7·33	0·21	3·38	58·26	53·54	Raneegunge.		
0·45	0·08	...	...	...	...	...	...	...	...	6	?	5·34	?	3·88	56·74	?	*Mankur.*		
0·27	0·05	0·05	...	...	...	...	...	...	...	10	0·8	4·17	0·45	2·60	53·74	56·24	Bankoora	Bankoora.	
0·27	0·18	...	...	...	...	...	...	...	...	8	0·4	3·54	0·05	1·22	62·54	57·97	Bishenpore		
											0·8		0·36			53·28	Muliara.		
0·60	0·35	...	...	...	...	...	...	...	...	7	1·0	3·09	0·58	1·40	68·36	60·72	Khatra.		
0·21	0·03	0·02	...	...	...	...	...	...	...	8	?	3·59	?	1·70	48·75	?	Indas.		
0·27	0·04	...	...	...	...	...	...	...	...	5	?	2·43	?	1·74	52·94	?	Kotaipore.		
0·18	...	...	...	...	...	...	...	...	...	7	?	1·33	?	0·25	42·47	?	Anda.		
0·41	...	...	...	...	...	...	...	...	...	5	?	7·86	?	4·22	61·51	?	Gangajalghatta		
0·35	0·25	...	...	...	...	...	...	...	...	7	?	3·95	0·33	1·90	60·39	57·27	*Raipore.*		
0·33	0·09	...	...	...	...	...	...	...	...	7	?	4·33	?	1·87	58·02	?	*Sonamukhi.*		
0·11	0·09	...	0·01	...	...	...	...	...	...	10	0·8	3·94	0·16	1·61	61·85	55·72	Bh. Soory	Beerbhoom.	
0·06	...	0·18	...	...	...	...	...	...	...	7	0·4	4·56	0·20	2·27	49·85	57·96	Hetampore.		
...	...	...	...	...	...	...	...	...	...	3	0·9	2·52	0·26	1·28	52·92	56·27	Rampore Haa		
0·33	0·04	...	...	...	...	...	...	...	...	8	?	4·62	?	2·04	57·82	?	*Bolpur.*		
...	...	...	...	...	...	...	...	...	...	3	?	1·73	?	0·83	?	?	*Murarai.*		
0·41	0·10	...	...	...	...	...	...	...	...	7	0·5	3·99	0·60	1·65	59·55	55·25	Ranaghat	Nuddea.	
0·23	0·02	...	0·02	...	...	...	...	...	...	10	0·9	8·96	0·40	5·91	45·48	55·50	Kishnaghur.		
0·70	...	...	...	...	...	...	...	...	...	3	0·7	10·65	0·50	7·79	53·96	60·22	Chooadanga.		
0·48	...	...	...	...	...	...	...	...	...	6	0·8	5·20	0·30	3·82	67·59	56·10	Meherpore.		
0·45	0·06	...	...	...	...	...	...	...	...	8	0·8	8·26	0·26	4·08	59·44	61·92	Kooshtea.		
0·70	0·01	0·02	...	...	...	...	...	...	...	10	1·1	3·60	0·40	1·11	56·99	64·15	Satkhira	Khoolna	
0·11	0·22	...	...	...	...	...	...	...	...	7	1·1	2·93	0·63	0·72	48·79	60·59	Bagirhat.		
0·37	...	...	...	...	...	...	...	...	...	6	1·0	3·63	0·42	1·59	59·68	64·47	Khoolna.		
1·34	0·16	...	...	...	...	...	...	...	...	9	0·8	5·10	0·50	1·65	54·75	54·72	Narail	Jessore.	
2·70	0·20	...	...	...	...	...	...	...	...	9	1·3	7·62	0·57	2·70	66·75	67·42	Jessore.		
1·10	...	...	...	...	...	...	...	...	...	7	1·0	3·99	0·33	3·73	56·71	61·83	Jhenidah.		
0·78	0·02	...	...	...	...	...	...	...	...	8	1·0	9·73	0·27	5·32	61·89	59·56	Magoorah.		
1·07	...	...	...	...	...	...	...	...	...	4	0·7	3·95	0·34	2·15	48·75	59·13	Bongong.		
0·15																			
0·03	...	...	...	...	...	...	...	...	...	5	0·3	5·70	0·42	3·20	57·97	55·02	Kandi	Moorshedabad.	
...	...	...	...	...	...	...	...	...	...	7	0·4	3·24	0·35	2·45	48·97	55·27	Berhampore.		
										4	0·5	4·64	0·39	2·29	50·69	55·12	Lalbagh.		
0·10	...	...	...	...	...	...	...	...	...		0·6		0·25			55·22	Azimgunge.		
...	...	...	...	...	...	...	...	...	...	6	0·5	2·16	0·11	1·42	60·90	53·35	Jungipore.		
...	...	...	...	...	...	...	...	...	...	3	0·5	1·80	0·22	0·70	63·56	54·70	Lalgola.		
...	0·05	...	...	...	...	...	...	...	...	5	?	2·77	?	1·74	47·49	?	Jaikunge.		
...	...	...	...	...	...	...	...	...	...	4	?	2·07	?	1·46	46·68	?	*Aisriganj.*		
										5	?	5·50	?	3·50	?	?	*Palkabari.*		
1·63	0·98	...	...	...	...	...	...	...	...	2	2·7	1·11	2·54	1·03	129·52	143·58	Cox's Bazar	Chittagong	EAST BENGAL.
0·91	0·06	0·36	...	...	...	...	...	...	...	8	2·3	1·66	1·59	0·91	83·69	105·09	Chittagong.		
0·60	0·29	0·60	...	...	...	...	...	...	...	5	?	1·73	?	0·59	115·39	?	*Katubdia.*		
	0·14	...	...	...	...	...	...	...	...	5	?	1·25	?	0·60	64·42	?	*Satkanya.*		
0·31	0·24	...	...	...	...	...	...	...	...	6	2·5	4·32	1·76	2·00	70·98	95·44	Rangamati	Chittagong Hill Tracts.	
0·29	0·15	...	...	...	...	...	...	...	...	5	3·9	4·45	2·07	2·53	70·79	89·37	Ruma.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL —*concld.*	Backergunge...	Patuakhally ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·50	...	0·30	0·17	0·45
		Perozepore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·42	0·27	0·03	0·05	0·27	0·73
		Burrisal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·69	...	0·05	...	0·17	0·29	0·48
		Bhola ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·53	...	0·10	...	1·86	0·19	0·27
		Gournaddi ...	...	...	...	...	...	...	...	...	...	...	...	...	1·15	0·72	0·25	0·28	...	...	...	0·42
		Bauphal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·03	...	...	0·63	0·06	0·42
	Noakholly ...	Noakholly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·01	1·28	0·69	0·01	0·05	0·06	0·23
		Fenny ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·70	0·16	0·22	...	0·12	0·06	0·15
		Harishpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·03	...	...	0·01	...	...	...
		Ramganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·23	...	...	...	...	...	0·45
	Furreedpore..	Madaripore ...	...	...	...	...	...	...	...	...	...	...	...	...	0·45	0·45	4·06	1·06	0·04	0·10	0·08	0·55
		Furreedpore..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·80	5·19	1·15	...	0·13	0·07
		Goalundo ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·20	2·22	...	...	0·20	0·07
	Dacca ...	Munshigunge	...	...	...	...	...	...	...	...	...	...	...	...	...	0·43	0·55	1·17	0·43	0·02	0·18	0·02
		Dacca ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·08	0·84	1·71	0·34	0·04	0·08	...
		Naraingange	...	...	...	...	...	...	...	...	...	...	...	...	...	1·14	0·96	1·41	0·44	0·03	0·14	0·03
		Manickgunge	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	0·16	4·30	0·37	0·02	0·63	0·06
		Joydebpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·04	0·43	1·90	0·21	0·04	0·05	0·03
	Hill Tipperah	Agartola ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·45	0·48	0·55	...	0·15	...	...
	Tipperah ...	Comilla ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·19	0·11	0·21	0·15	0·06	0·15	0·06
		Chandpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·30	0·74	0·43	0·15	0·08	0·16	...
		Brahmunberia	...	...	...	...	...	...	...	...	...	...	...	...	...	0·44	0·44	0·44	0·07	0·06	0·04	0·02
		Ramchandrapore.	...	...	...	...	...	...	...	...	...	...	...	...	...	0·72	1·36	0·77	...	0·14	0·02	0·20
		Nasirnagar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·50	0·30	0·40	...	...	...
		Daudkandi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·26	0·93	1·00	0·11	...	...	...
		Kasba ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·78	0·88	0·20	0·08	0·04	...	...
		Laksham ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·80	0·45	...	...	0·40	...	...
	Mymensingh	Kishoregunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·41	1·31	0·08	0·06	0·04	...
		Atia (*Tangail*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·45	3·30	...	0·12	...	0·04
		Mymensingh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·11	1·65	0·17	0·16	0·01	...
		Jamalpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·21	0·66	...	0·15	...	...
		Netrokona ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15	1·60	0·50	0·12	...	...
		Subornakhally	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·28	1·97	...	0·07	...	...
		Durgapore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·50	...	...	...	...
		Sherpore Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·12	0·45	...	...	...	...
		Dewanganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·36	...	...	...	...	...
NORTH BENGAL	Pubna ...	Pubna ...	...	...	...	...	...	...	...	...	...	...	...	...	0·06	3·72	3·63	0·56	0·07	0·02	0·07	0·07
		Serajgunge ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·27	2·30	...	0·08	0·02	0·02
	Bogra ...	Sherpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·59	0·80	...	0·07	...	...
		Nowkhilla ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·35	0·66	...	0·08	...	...
		Bogra ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·32	0·79	0·03	0·06	...	...
		Panchbibi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·27	0·13	...	...	...	...
	Rajshahye ...	Beauleah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·79	1·41	0·05	0·11	...	0·03
		Nattore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·45	1·43	0·17	0·12	...	0·08
		Naogaon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·64	0·16	...	0·05	0·04	...
		Lalpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·81	2·13	0·19	0·16	...	0·04	...
		Manda ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15	0·20	...	0·10	...	...
	Maldah ...	Maldah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·71	...	...	0·05	0·07	...
		Chanchal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gajol ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sibganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·45	1·26	...	0·06	0·01	...
	Dinagepore ...	Mohadebpore	...	...	...	...	...	...	...	...	...	...	...	...	...	0·25	0·30	0·05	...	...	...	...
		Churamon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	...
		Raigunge ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dinagepore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Balorghat ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·04	...	...	0·22	...	...
		Thakurgaon...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	...	...	...	...
	Rungpore ...	Bhawanigunge (*Gyabanda*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·10	0·10	...	...	...	...
		Rungpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·03	0·01	...	...	...	...
		Kurigram ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bagdogra ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*Nilphamari*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ulipore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·03	...	...	...	...
	Julpigoree ...	Julpigoree ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Alipore Doar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·16	...	...	...	...
		Falacotta ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15	...	...	...	...
		Debiganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·22	...	...	...	...
		Bhogolpore (*Nagrakatta*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·13	...	...	...	...
	Cooch Behar..	Dinhatta ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	0·35	...	...	...	...
		Cooch Behar...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15	...	...	...	...
		Mickligunge...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·21	...	...	...	...	...
		Matabhanga...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...	...	...	...
	Darjeeling Hill	Buxa ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·27	...	...	...	...
		Siliguri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15	...	...	...	...
		Darjeeling ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·27	...	...	...	...
		Kalimpong ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·07	...	...	...	...
		Kurseong ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NORTH BEHAR	Purneah ...	Kissengunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arrareah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Purneah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gondwara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Belarampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·23	...	...	...	...
		Matiari ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·65	...	...	...	...
		Kalaganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	North Bhagulpore.	Maduapore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Soopool ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Protabganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

n Bengal in November 1889—*continued.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1889 up to 30th November 1889.	Average rainfall from 1st January up to 30th November.	Station.	District.	Meteorological division.
0·67	...	...	...	...	...	...	...	...	...	5	1·4	2·09	1·56	0·67	91·39	96·76	Patuakhally ...	Backergunge	EAST BENGAL—*concld.*
0·37	...	...	...	...	...	...	...	...	...	7	1·7	2·14	1·15	0·73	76·52	78·39	Perozepore.		
0·25	0·34	...	...	...	...	...	...	...	...	7	2·1	2·26	1·11	0·95	76·81	79·05	Burrisal.		
1·63	0·19	...	...	...	...	...	...	...	...	7	1·7	4·68	1·30	1·86	83·27	91·43	Bhola.		
1·42	...	...	...	...	...	...	...	...	...	6	?	4·24	?	1·42	68·68	?	*Gournaddi.*		
0·60	...	...	...	...	...	...	...	...	...	5	?	1·77	?	0·63	96·74	?	*Bauphal.*		
0·70	0·09	...	0·02	...	...	...	...	...	...	10	2·2	3·54	1·75	1·28	109·56	112·01	Noakholly ...	Noakholly.	
0·96	0·13	...	...	...	...	...	...	...	...	8	2·2	2·44	2·98	0·96	89·40	120·83	Fenny.		
0·40	0·02	...	...	...	...	...	...	...	...	4	?	0·46	?	0·40	84·51	?	*Harishpore.*		
1·20	...	...	...	...	...	...	...	...	...	3	?	1·01	?	1·20	92·25	?	*Ra...anj.*		
1·25	...	...	...	...	...	...	...	...	...	5	0·9	3·94	0·51	2·22	64·25	67·56	Madaripore ...	Furreedpore.	
0·44	...	...	...	...	...	...	...	...	...	9	1·2	7·23	0·48	4·06	69·89	68·83	Furreedpore.		
0·25	0·28	...	...	...	...	...	...	...	...	7	0·9	7·87	0·33	5·19	65·19	62·55	Goalundo.		
1·42	0·71	...	...	...	...	...	...	...	...	9	1·2	4·93	0·85	1·42	83·00	85·13	Munshigunge.	Dacca.	
0·44	0·05	...	...	...	...	...	...	...	...	8	1·3	3·58	0·67	1·71	80·28	72·76	Dacca.		
0·83	0·80	...	...	...	...	...	...	...	...	5	0·8	5·78	0·53	1·41	88·49	73·06	Naraingunge.		
0·12	0·17	...	...	...	...	...	...	...	...	9	1·1	5·32	0·39	4·30	78·11	61·70	Manickgunge		
0·24	0·10	...	...	...	...	...	...	...	...	2	?	3·03	?	1·99	78·48	?	*Joydebpore.*		
0·25	0·35	...	...	...	...	...	...	...	...	6	1·5	3·23	0·92	1·45	56·46	78·22	Agartola ...	Hill Tipperah.	
0·52	1·06	...	...	...	...	...	...	...	...	9	2·0	2·51	1·26	1·06	73·07	92·40	Comilla ...	Tipperah.	
1·04	0·56	...	...	...	...	...	...	...	...	8	1·4	3·46	0·56	1·04	69·44	89·93	Chandpore.		
0·65	0·20	...	0·06	...	...	...	...	...	...	10	1·1	1·83	0·55	0·44	61·67	79·34	Brahmunberia.		
0·34	0·58	...	...	...	...	...	...	...	...	8	?	3·93	?	1·36	65·72	?	*Ramchandra-pore.*		
...	...	...	...	...	...	...	...	...	...	3	?	1·20	?	0·50	59·78	?	*Nasirnagar.*		
0·90	...	...	...	...	...	...	...	...	...	5	?	3·20	?	1·00	57·19	?	*Daudkandi.*		
...	0·18	...	...	...	...	...	...	...	...	3	?	2·16	?	0·88	71·46	?	*Kasba.*		
1·79	...	...	...	...	...	...	...	...	...	4	?	3·44	?	1·79	75·48	?	*Laksham.*		
...	...	...	...	...	...	...	...	...	...	5	1·0	1·90	0·42	1·31	81·88	83·04	Kishoregunge.	Mymensingh.	
...	...	...	...	...	...	...	...	...	...	4	0·8	4·90	0·23	3·30	70·24	63·92	Atia (*Tangail*).		
...	0·94	...	...	...	...	...	...	...	...	6	1·3	2·14	0·72	1·65	105·55	92·57	Mymensingh.		
...	...	...	...	...	...	...	...	...	...	3	0·6	1·02	0·29	0·66	89·50	75·61	Jamalpore.		
...	...	...	...	...	...	...	...	...	...	4	0·8	2·37	0·03	1·60	137·71	86·52	Netrokona.		
...	...	...	...	...	...	...	...	...	...	3	?	2·32	?	1·27	63·63	?	*Subornakhally.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·50	?	0·50	172·93	?	*Durgapore.*		
...	...	...	...	...	...	...	...	...	...	2	?	0·57	?	0·45	94·53	?	*Sherepore Town*		
...	...	...	...	...	...	...	...	...	...	1	?	0·36	?	0·36	?	?	*Dewanganj.*		
0·08	0·19	...	...	...	...	...	...	...	...	9	0·7	8·40	0·33	3·72	56·67	64·09	Pubna ...	Pubna ...	NORTH BENGAL.
0·03	0·02	...	...	...	...	...	...	...	...	7	0·8	2·74	0·37	2·30	64·35	60·81	Serajgunge.		
...	...	...	...	...	...	...	...	...	...	3	0·8	1·46	0·61	0·80	66·47	63·95	Sherpore ...	Bogra.	
...	...	...	...	...	...	...	...	...	...	3	1·1	1·09	0·54	0·66	66·31	61·83	Nowkhilla.		
...	...	...	...	...	...	...	...	...	...	4	0·8	1·20	0·76	0·79	75·22	74·57	Bogra.		
0·07	...	...	...	...	...	...	...	...	...	3	0·2	0·47	0·06	0·27	68·74	60·31	Panchbibi.		
0·02	0·03	...	...	...	...	...	...	...	...	7	0·4	2·44	0·27	1·41	59·28	58·36	Beauleah ...	Rajshahye.	
...	0·03	...	...	...	...	...	...	...	...	6	0·3	3·24	0·23	1·45	63·41	62·15	Nattore.		
...	...	...	...	...	...	...	...	...	...	4	0·2	0·89	0·05	0·64	62·29	?	*Naogaon.*		
0·10	...	...	...	...	...	...	...	...	...	5	?	3·33	?	2·13	40·07	?	*Lalpore.*		
...	...	...	...	...	...	...	...	...	...	4	?	0·55	?	0·20	66·47	?	*Manda.*		
...	...	...	...	...	...	...	...	...	...	3	0·5	0·83	0·21	0·71	54·80	56·50	Maldah ...	Maldah.	
...	0·16	...	...	...	...	...	...	...	...	1	0·4	0·16	0·26	0·16	31·82	58·66	Chanchal.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	43·33	?	*Gajol.*		
...	...	...	...	...	...	...	...	...	...	4	?	1·78	?	1·26	55·21	?	*Sibganj.*		
...	0·05	...	...	...	...	...	...	...	...	4	0·3	0·65	0·10	0·30	57·43	60·51	Mohadebpore..	Dinagepore.	
...	0·36	...	...	...	...	...	...	...	...	2	0·3	0·42	0·15	0·36	56·64	56·49	Churamon.		
...	...	...	...	...	...	...	...	...	...	1	0·4	Nil	0·10	Nil	56·64	62·19	Raigunge.		
...	...	...	...	...	...	...	...	...	...	Nil	0·4	Nil	0·22	Nil	70·83	74·44	Dinagepore.		
...	...	...	...	...	...	...	...	...	...	2	0·2	0·26	0·09	0·22	64·74	52·88	Balcorghat.		
...	...	...	...	...	...	...	...	...	...	1	?	0·05	?	0·05	91·69	?	*Thakurgaon.*		
...	...	...	...	...	...	...	...	...	...	2	0·2	0·20	0·13	0·19	92·98	68·67	Bhawanikunge (*Gyabanda*).	Rungpore.	
...	...	...	...	...	...	...	...	...	...	2	0·4	0·04	0·30	0·03	81·45	83·64	Rungpore.		
...	...	...	...	...	...	...	...	...	...	Nil	0·2	Nil	0·22	Nil	98·50	86·67	Kurigram.		
...	...	...	...	...	...	...	...	...	...	Nil	0·2	Nil	0·08	Nil	94·76	90·38	Baxdogra.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	84·56	?	(*Nilphamari.*) *Ulipore.*		
...	...	...	...	...	...	...	...	...	...	1	0·2	1·03	0·10	1·03	128·89	128·20	Julpigoree ...	Julpigoree.	
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	133·98	?	*Alipore Doar.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·16	?	0·16	138·83	?	*Falacotta.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·15	?	0·15	96·41	?	*Debiganj.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·22	?	0·22	149·62	?	*Bhogotpore (Nagrakatta.)*		
...	...	...	...	...	...	...	...	...	...	1	0·3	0·13	0·05	0·13	106·41	110·65	Dinhatta		
...	...	...	...	...	...	...	...	...	...	2	0·3	0·40	0·11	0·25	126·35	129·46	Cooch Behar...	Cooch Behar.	
...	...	...	...	...	...	...	...	...	...	1	0·2	0·15	0·05	0·15	128·07	117·66	Mickligunge.		
...	...	...	...	...	...	...	...	...	...	1	0·3	0·21	0·05	0·21	126·70	124·21	Matabhanga.		
...	...	...	...	...	0·54	...	0·16	...	...	3	1·7	0·71	0·50	0·54	111·44	212·70	Buxa ...	Darjeeling.	
...	...	...	...	...	...	...	...	...	...	1	0·4	1·27	0·16	1·27	128·45	106·57	Siliguri.		
...	...	...	...	...	...	...	...	...	...	1	0·8	0·15	0·22	0·15	138·84	120·40	Darjeeling.		
...	...	...	...	...	...	...	...	...	...	1	1·4	0·27	0·26	0·27	102·31	88·60	Kalimpong.		
...	...	...	...	...	...	...	...	...	...	1	?	0·67	?	0·67	?	?	Kurseong ...		
...	...	...	...	...	...	...	...	...	...	Nil	0·2	Nil	0·07	Nil	105·69	74·59	Kissengunge.	Purneah ...	NORTH BENGAL.
...	...	...	...	...	...	...	...	...	...	Nil	0·1	Nil	0·06	Nil	82·16	68·27	Arrareah.		
...	...	...	...	...	...	...	...	...	...	Nil	0·2	Nil	0·08	Nil	66·41	64·01	Purneah.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil		?	*Gondwara.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil		?	*Balaramgore*		
...	...	...	...	...	...	...	...	...	...	1	?	0·23	?	0·23		?	*Matiari.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·65	?	0·65		?	*Kaliaganj.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·3	Nil	0·06	Nil	66·30	53·63	Maddapore ..	North Bhaxul-pore	
...	...	...	...	...	...	...	...	...	...	Nil	0·2	Nil	0·05	Nil	71·04	59·48	Soopool.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	91·21	?	*Protabganj.*		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
North Behar —*concld.*	Durbhunga	Tajpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·03	...	
		Durbhunga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Madhubani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Rahera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Roshera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Mozufferpore	Sitamarhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·30	...	
		Mozufferpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·12	...	
		Hajipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·20	...	
		Paru	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·14	...	
		Mahua	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·40	...	
		Sinhar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·25	0·20	...	
		Pupri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Chumparun	Motiharj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·08	0·54	...	
		Bettiah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·73	...	...	
		Bagaha	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·13	...	...	
		Burharwa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·27	0·09	...	
	Sarun	Gopalgunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·55	...	...	
		Sewan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·39	0·18	...	...	
		Chupra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·21	...	...	...	
South Behar	Shahabad	Buxar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·12	0·32	...	
		Dehree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·02	0·35	...	
		Bhubooah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·85	0·65	...	
		Sasseram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·07	0·37	...	
		Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	0·12	...	
		Mohaniah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·50	...	...	
	Gya	Aurungabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·38	...	
		Gya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·03	...	0·10	...	
		Nowadah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·06	...	...	
		Jehanabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·39	...	...	
		Arwal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·32	...	...	
		Daudnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Sheerghati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Rajauli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·50	...	
		Pakri Barawan.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Patna	Patna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·23	...	
		Dinapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·20	0·05	
		Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·18	...	
		Barrh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·10	...	
		Bickram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·32	...	
		Hilsa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·12	...	
	Monghyr	Begoosorai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·10	...	
		Monghyr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Jamui	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·21	...	
		Gogri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Sheikpura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	South Bhagulpore.	Bhagulpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·04	...	
		Banka	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·22	0·04	
		Kolgong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·01	0·01	
		Bangaon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Sonthal Pergunnahs.	Rajmehal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·13	...	...	0·14	0·03	
		Godda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·40	0·16	...	0·08	0·09	
		Pakour	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15	0·05	...	0·07	...	
		Nya Doomka	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·00	1·31	...	0·13	...	
		Deoghur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·88	0·27	...	0·44	...	
		Jamtara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·83	1·10	...	0·37	...	
		Mohagama	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·18	...	
		Nanihat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·45	...	...	...	...	
Chutia Nagpur.	Hazaribagh	Pachamba (*Giridi*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·19	...	...	0·72	0·17	
		Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·43	0·01	...	0·94	0·06	
		Somtagarah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·60	...	...	0·55	...	
		Mahudi Hills																				
		Jhoomrah Hills																				
		Barhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·30	...	...	...	...	
		Chatra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·39	...	...	0·23	0·04	
		Karagdeha	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·60	...	...	2·20	...	
		Ramghar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·21					
	Lohardugga	Lohardugga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·33	...	
		Ranchi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·53	...	
		Palamow	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·04	...	0·03	0·54	...	
		Silli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Balumat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·10	...	...	0·20	...	
		Hoseinabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Garwah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·46	...	...	...	
	Singbhoom	Chyebassa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·80	0·86	...	0·12	0·19	
		Chakradharpore.	...	...	...	...	...	...	...	...	...	...	...	...	...	0·24	0·95	...	0·41	...	0·28	
		Ghatsila	...	...	...	...	...	...	...	...	...	...	...	...	...	0·45	2·27	...	0·50	0·50	...	
		Baharagura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·00	...	0·20	0·40	...	
	Manbhoom	Purulia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·62	0·23	...	0·72	...	
		Gobindpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·54	0·47	...	0·27	0·02	
		Raghunathpore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·65	2·65	...	1·15	...	
		Barrabhoom	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·01	1·09	...	0·20	2·35	
		Jhalda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·29	0·06	0·05	...	0·52	
		Chas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·73	0·19	...	0·84	...	

Bengal for the month of November 1889—*concluded.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1889 up to 30th Nov. 1889.	Average rainfall from 1st January up to 30th November.	Station.	District.	Meteorological division.
...	.....	...	...	...	...	...	...	...	...	1	0·4	0·03	0·10	0·03	48·39	45·20	Tajpore ...	Durbhunga ...	North Behar —*concld.*
...	.....	...	...	...	...	...	...	...	...	Nil	0·2	Nil	0·06	Nil	54·01	47·76	Durbhunga.		
...	.....	...	...	...	...	...	...	...	...	Nil	0·2	Nil	0·03	Nil	66·71	47·78	Madhubani.		
...	.....	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	74·47	?	*Bahera.*		
...	.....	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	60·07	?	*Roshera.*		
...	.....	...	...	...	...	...	...	...	...	1	0·1	0·30	0·01	0·30	59·86	45·44	Sitamarhi ...	Mozufferpore	
...	.....	...	...	...	...	...	...	...	...	1	0·4	0·12	0·08	0·12	53·56	45·01	Mozufferpore.		
...	.....	...	...	...	...	...	...	...	...	1	0·5	0·20	0·14	0·20	46·45	44·10	Hajipore.		
...	.....	...	...	...	...	...	...	...	...	1	?	0·14	?	0·14	?	?	*Paru.*		
...	.....	...	...	...	...	...	...	...	...	1	?	0·40	?	0·40	?	?	*Mahua.*		
...	.....	...	...	...	...	...	...	...	...	2	?	0·45	?	0·25	?	?	*Siwhar.*		
...	.....	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	50·00	?	*Pupri.*		
...	.....	...	...	...	...	...	...	...	...	2	0·3	0·62	0·08	0·54	78·68	48·11	Motihari ...	Chumparun.	
...	.....	...	...	...	...	...	...	...	...	1	0·1	0·73	0·01	0·73	56·25	51·04	Bettiah.		
...	.....	...	...	...	...	...	...	...	...	1	?	1·13	?	1·13	74·09	?	*Bagaha.*		
...	.....	...	...	...	...	...	...	...	...	2	?	0·36	?	0·27	56·21	?	*Burhurwa.*		
...	.....	...	...	...	...	...	...	...	...	1	0·6	0·35	0·11	0·35	40·82	46·09	Gopalgunge...	Sarun.	
...	.....	...	...	...	...	...	...	...	...	2	0·4	1·57	0·11	1·39	48·06	45·51	Sewan.		
...	.....	...	...	...	...	...	...	...	...	1	0·4	1·21	0·21	1·21	44·30	39·56	Chuprah.		
...	.....	...	...	...	...	...	...	...	...	2	0·5	2·44	0·14	2·12	50·03	39·19	Buxar ...	Shahabad ...	South Behar.
...	.....	...	...	...	...	...	...	...	...	2	0·2	0·37	0·23	0·35	45·31	40·54	Dehree.		
...	.....	...	...	...	...	...	...	...	...	2	0·3	1·50	0·50	0·85	40·21	42·73	Bhubooah.		
...	.....	...	...	...	...	...	...	...	...	2	0·4	0·44	0·24	0·37	31·79	42·07	Sasseram.		
...	.....	...	...	...	...	...	...	...	...	3	0·4	0·18	0·21	0·12	45·59	44·81	Arrah.		
...	.....	...	...	...	...	...	...	...	...	1	?	1·50	?	1·50	?	?	*Mohaniah.*		
...	.....	...	...	...	...	...	...	...	...	1	0·8	0·38	0·23	0·38	37·38	43·79	Aurungabad...	Gya.	
...	.....	...	...	...	...	...	...	...	...	2	0·6	0·13	0·24	0·10	44·50	41·00	Gya.		
...	.....	...	...	...	...	...	...	...	...	1	0·4	0·06	0·18	0·06	42·92	43·07	Nowadah.		
...	.....	...	...	...	...	...	...	...	...	1	0·3	0·39	0·27	0·39	37·23	42·63	Jehanabad.		
...	.....	...	...	...	...	...	...	...	...	1	?	0·32	?	0·32	37·43	?	*Arwal.*		
...	.....	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	27·54	?	*Daudnagar.*		
...	.....	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	31·89	?	*Sheerghati.*		
...	.....	...	...	...	...	...	...	...	...	1	?	0·50	?	0·50	18·27	?	*Rajauli.*		
...	.....	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	33·75	?	*Pakri Barawan.*		
...	.....	...	...	...	...	...	...	...	...	1	0·4	0·23	0·23	0·23	55·38	41·74	Patna ...	Patna.	
...	.....	...	...	...	...	...	...	...	...	2	0·3	0·25	0·14	0·20	49·07	42·32	Dinapore.		
...	.....	...	...	...	...	...	...	...	...	1	0·4	0·18	0·26	0·18	45·65	44·15	Behar.		
...	.....	...	...	...	...	...	...	...	...	1	0·4	0·10	0·25	0·10	41·87	42·25	Barrh.		
...	.....	...	...	...	...	...	...	...	...	1	?	0·32	?	0·32	45·33	?	*Bickram.*		
...	.....	...	...	...	...	...	...	...	...	1	?	0·12	?	0·12	39·56	?	*Hilsa.*		
...	.....	...	...	...	...	...	...	...	...	1	0·3	0·10	0·31	0·10	53·28	42·37	Begoosarai ...	Monghyr.	
...	.....	...	...	...	...	...	...	...	...	Nil	0·5	Nil	0·26	Nil	44·99	45·63	Monghyr.		
...	.....	...	...	...	...	...	...	...	...	1	0·4	0·21	0·09	0·21	43·17	45·97	Jamui.		
...	.....	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	65·30	?	*Gogri.*		
...	.....	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	45·87	?	*Sheikpura.*		
...	.....	...	...	...	...	...	...	...	...	1	0·4	0·04	0·22	0·04	48·79	47·61	Bhagulpore ...	South Bhagulpore.	
...	.....	...	...	...	...	...	...	...	...	2	0·4	0·26	0·15	0·22	42·47	45·64	Banka.		
...	.....	...	...	...	...	...	...	...	...	3	?	0·02	?	0·01	50·43	?	*Kolgong.*		
...	.....	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	?	?	*Bangaon.*		
...	.....	...	...	...	...	...	...	...	...	3	0·4	0·30	0·23	0·14	63·06	55·63	Rajmehal ...	Sonthal Pergunnahs.	
...	.....	...	...	...	...	...	...	...	...	4	0·3	0·73	0·10	0·40	53·57	47·76	Godda.		
...	0·04	...	...	...	...	...	...	...	...	4	0·4	0·01	0·10	0·05	77·94	60·77	Pakour.		
0·03	0·01	...	...	...	...	...	...	...	...	5	1·1	2·53	0·23	1·31	60·69	57·36	Nya Doomka.		
0·33	0·07	...	...	...	...	...	...	...	...	5	0·5	1·99	0·15	0·88	42·51	52·73	Deoghur.		
0·44	.....	...	...	...	...	...	...	...	...	4	0·6	3·74	0·60	1·84	47·63	51·56	Jamtara.		
...	.....	...	...	...	...	...	...	...	...	1	?	0·18	?	0·18	61·28	?	*Mohagama.*		
...	.....	...	...	...	...	...	...	...	...	1		0·45	?	0·45	?	?	*Nanihat.*		
0·31	.....	...	...	...	...	...	...	...	...	4	0·7	1·40	0·20	0·72	42·01	50·76	Pachamba ... (*Giridi*).	Hazaribagh ...	Chutia Nagpur.
0·06	.....	...	...	...	...	...	...	...	...	5	1·2	1·42	0·32	0·94	51·86	49·57	Hazaribagh.		
...	.....	...	...	...	...	...	...	...	...	2	1·3	1·15	0·32	0·60	39·30	49·90	Semtagurah.		
		...									1·2		0·45			50·11	Mahudi Hills.		
		...									0·7		0·26			64·31	Jhoonrah Hills		
...	... ...	...	...	...	...	...	...	...	...	1	?	0·30	?	0·30	33·20	?	*Barhi.*		
...	.....	...	...	...	...	...	...	...	...	3	?	0·71	?	0·39	59·59	?	*Chatra.*		
0·30	.....	...	...	...	...	...	...	...	...	3	?	3·10	?	2·20	42·12	?	*Karagdeha.*		
		...	...	...	...	...	...	...	...		?		?			?	*Ramghar.*		
0·11	...	...	...	...	...	...	...	...	...	2	0·8	0·45	0·51	0·33	48·99	51·91	Lohardugga ...	Lohardugga.	
0·12	0·05	...	...	...	...	...	...	...	...	4	1·2	1·85	0·29	1·33	55·43	49·95	Ranchi.		
...	.....	...	...	...	...	...	...	...	...	3	0·7	0·61	0·43	0·54	36·56	45·45	Palamow.		
		...	...	...	...	...	...	...	...		?		?			?	*Silli.*		
...	.....	...	...	...	...	...	...	...	...	2	?	0·30	?	0·20		?	*Balumat.*		
...	... ...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil		?	*Hoseinabad.*		
...	...	...	...	...	...	...	...	...	...		?	0·40	?	0·40		?	*Garwah.*		
1·26	0·18	...	...	...	...	...	...	...	...	7	1·5	2·44	0·24	0·86	50·81	54·63	Chyebassa ...	Singbhoom.	
1·28	.....	...	...	...	...	...	...	...	...	6	?	2·66	?	0·95	42·37	?	*Chakradharpore.*		
1·23	0·05	...	...	...	...	...	...	...	...	7	?	4·09	?	2·27	69·44	?	*Ghatsila.*		
1·4	0·11	0·05	...	...	...	...	...	...	...	7	?	3·00	?	1·00	47·57	?	*Baharagura.*		
1·27	0·26																		
1·25	0·02	...	...	...	...	...	...	...	...	6	1·2	2·50	0·18	0·72	46·40	50·57	Purulia ...	Manbhoom.	
		...	...	...	...	...	...	...	...	7	0·6	1·60	0·12	0·54	35·12	47·16	Gobindapore.		
1·34	0·18	...	...	...	...	...	...	...	...	6	?	6·27	?	2·65	48·98	?	*Raghunathpore.*		
1·35	0·30	...	...	...	...	...	...	...	...	7	?	4·29	?	1·60	47·33	?	*Barrabhoom.*		
1·32	.....	...	...	...	...	...	...	...	...	5	?	1·97	?	0·95		?	*Jhalda.*		
	0·05	...	...	...	...	...	...	...	...	6	?	2·98	?	1·73		?	*Chas.*		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE MONTH OF NOVEMBER 1889.

THE normal features of the meteorology of Bengal during November are very simple. Northerly winds blow over the whole of Bengal, and these usually extend as a north-easterly wind current over the north and centre of the Bay. These northerly winds are dry, and usually give in Bengal almost cloudless skies; temperature also diminishes steadily during the month, the diminution being strongly marked in the night temperatures, and humidity is low. As a rule, little or no rain falls unless it is brought up by one or other of two kinds of disturbances, which almost reverse the normal weather conditions The first class of disturbances consist of cyclonic storms which are formed in the middle or south of the Bay in front of the retreating south-west monsoon. When they form, as they do occasionally, they usually advance towards the Madras coast, and expend their main force over the south of the peninsula, but sometimes they advance towards the north of the Bay. In the first case, they generally modify the weather over the whole of the Bay; and if the disturbance is a large one, humid winds will again be forced over Bengal, when skies will cloud over and temperature and humidity rapidly increase, and rain may fall, particularly over the southern parts of the province. In the second case, if a large and influential storm which has formed in the Bay advances towards Bengal and should happen to strike the coast, the weather conditions in Bengal will naturally be entirely reversed. Over the area where the storm passes excessively heavy rain will fall, and if the storm be a large one, the whole of Bengal will feel its effects, and general rain may be brought up for a considerable period. The second class of disturbances consist of land-formed barometric depressions, which originate over Upper India and drift sometimes over Bengal, giving clouded skies, increased humidity and temperature, and sometimes light rain. These land-formed disturbances seldom occur in November; and if they do occur, they are generally of very little importance.

Except, therefore, for rainfall brought up by the occurrence of storms in the Bay, as a rule, the province is almost rainless in November. Its occurrence and distribution are therefore very capricious, and the normal rainfall of November in Bengal is extremely small. Orissa usually receives a fall of about an inch and-a-fifth, and East Bengal one of about an inch; but in the other districts the fall is only from about a tenth up to a third of an inch.

Meteorology of the month.—At the end of October the meteorological conditions obtaining in Bengal had become entirely those of the commencement of the cold season or north-east monsoon. Skies were almost cloudless, pressure was fairly high, while temperature was steadily falling, a light northerly wind current had set in generally in Bengal, and rainfall was entirely absent. These conditions continued almost unchanged in Bengal up to about the 12th or 13th of November. In the Bay also conditions were fairly normal during this period except for the fact that there was an area of defective pressure in the east of the centre of the Bay, which probably also extended into the south-east of the Bay, and also for the fact that the usual Madras rains had not set in. These conditions continued up to the 12th, when on that day pressure became distinctly low at Diamond Island, and wind directions at that station and in the south of Burma generally began to show indraught towards the centre and south of the Bay These conditions continued on the 13th and became considerably more pronounced, and it was clear that a decided cyclonic storm was being formed somewhere to the west or south-west of the Andamans. The cyclonic storm at first drifted very slowly in a westerly direction, while at the same time it was probably intensifying to a certain extent, and on the first two or three days of its existence it was, so far as could be determined, somewhat to the west of the centre of the Bay, and the centre of the storm was perhaps almost in the latitude of Madras.

The storm which had thus formed immediately caused the weather conditions over the whole Bay to change, and squally weather with rather heavy rain soon became general even over the northern half of the Bay. These conditions apparently rapidly extended from the Bay over the south of Bengal, or perhaps it is more probable even that a small offshoot from the main body of the storm may have travelled northwards over Bengal, and a heavy wave of moisture laden winds commenced to pour in over parts of South-East and South Bengal and Orissa on the 13th, and over the remainder of Bengal on the 14th of the month, the wave travelling slowly from the south to the north of the province. This produced an entire reversal of the previous weather conditions; skies became heavily clouded, and in many cases completely overcast, humidity and the night temperatures rose rapidly, the rise in temperature in some cases equalling 10°, and heavy rain commenced to be received. Thus on the 15th general, and in may cases heavy, rain was reported over the whole of Orissa, South-West Bengal, and East Bengal; over the Pubna, Bogra, and Rajshahye districts of North Bengal; over the Sonthal Pergunnahs district in South Behar; and in the Singbhoom, Manbhoom, and Hazaribagh districts of Chutia Nagpur. The greater part of South Behar, the whole of North Behar, and a considerable part of North Bengal, however, remained quite rainless up to 16th or 17th, but after that date showers were received even in these districts.

Pressure continued to fall moderately to rapidly along the Madras coast up to the 16th or 17th, while it was falling slowly, or in some cases even rising, elsewhere round the Bay. It was therefore evident that the storm was still drifting very slowly towards the Coromandel coast, and on the latter date the centre was still some distance off the land and to the east or

east-north-east of Madras. At this time all the indications appeared to point to the probability that the storm would continue its westerly advance and cross the coast somewhere to the north of Madras, or certainly not further north than Masulipatam or Coconada; but by the morning of the 18th it had advanced slightly in a northerly direction, and the centre was probably off the coast between Nellore and Masulipatam, and on the morning of the 19th the northerly advance had become much more pronounced, and the centre was almost opposite Vizagapatam. During the 19th the storm continued to move slowly along the coast, and on the morning of the 20th, at about 4 a.m., the centre of the storm struck the coast close to Gopalpore, and probably a little to the north of that station, and between it and Pooree. A decidedly low pressure was registered near the centre of the storm, and at Gopalpore at 2 a.m., when the centre must have been still some little distance off, the very low pressure of 29·478 inches was recorded. Contrary to the usual behaviour of large and decidedly intense storms, the storm in question did not advance far inland, but it seems to have expended its main force over the sea and land area near the coast line, and directly the storm struck the coast, it commenced to break up and disintegrate very rapidly, and by 8 a.m., pressure at Gopalpore had risen to 29·684 inches, and by the following morning it had risen to 29·819 inches, when the storm had almost entirely ceased to exist, though a diffused area of depression was still reported over the northern part of the Bay. There are absolutely no indications that the storm centre penetrated beyond Orissa after striking the coast, and it certainly did not pass into the Central Provinces. It therefore presents rather a remarkable example of the very rapid disintegration of a decidedly powerful storm by the action of the low ranges of hills in Orissa.

The storm was accompanied by the usual cyclonic circulation of winds, and this circulation was clearly noticeable at the coast-stations as the storm advanced up the Bay. The main force of the wind circulation appears to have been in the northern quadrant of the storm, and as the storm advanced along the coast, rather stormy or squally weather was reported, first at Madras, then at Nellore, then at Masulipatam, Coconada, Vizagapatam, and Bimlipatam; and finally stormy weather set in along the whole of the Orissa and Ganjam coasts, and from Balasore down to Gopalpore in particular very stormy weather was reported. These strong winds also extended to some distance inland, and probably the whole of Orissa and Ganjam experienced heavy winds, if they did not amount to a decided gale. The highest wind velocities reported during the storm were at Gopalpore, near which the centre crossed, and during the greater part of the afternoon and night of the 19th and the early part of the 20th, wind velocity at that station averaged from 60 to 66 miles an hour. The storm also had a very wide influence, and squally, or perhaps rather stormy, weather prevailed over a considerable part of the Bay throughout the existence of the storm. Very heavy rain was received over the area under the influence of the storm, and Pooree, in the twenty-four hours from 8 a.m. of the 19th to the same time of the 20th, recorded 10·84 inches of rain, Gopalpore received 6·63 inches, False Point 6·94 inches, Cuttack 5·67 inches, Kendrapara 5·50 inches, etc. The wave of moist winds brought up by the storm advanced over the whole of South-West Bengal and East Bengal and over the southern parts of Chutia Nagpur, but apparently the inrush of winds did not penetrate to any extent into Behar or North Bengal. Thus the heavy rainfall brought up by the storm only extended to Orissa and South-West and East Bengal and parts of Chutia Nagpur, and only isolated showers were brought to the other districts by this cause. It has, however, been previously mentioned that a kind of small offshoot from the storm in the Bay, or an advance of moist winds connected with the outlying parts of the storm, had drifted towards Bengal about the 13th of the month, and from the effects of this light to moderate rainfall had been fairly general in practically all districts of the province. Thus from the two causes combined, general rainfall was recorded in all districts, the amounts varying from an average of about ten inches in Orissa down to about a third of an inch in North Behar.

Though the storm practically ceased to exist after the 20th, the disturbed conditions brought by it continued for some days, and even up to the 23rd in South Bengal the sky was almost overcast, and weather was dull and gloomy, though but comparatively little rain was falling. Winds were still strongly easterly, and humidity and temperature were decidedly high. Over the northern half of the province, however, weather was on this date becoming rapidly fine and settled, and skies were to a great extent cloudless, while rainfall was practically absent. Northerly and north-westerly winds were also commencing in Behar. It was clear, therefore, that at this time the disturbed conditions were being rapidly driven back by the advancing northerly and north-westerly wind current. This action continued steadily, and normal cold weather conditions gradually re-established themselves in all districts. The sky still remained partially clouded, while humidity was high up to about the 25th and 26th; but by about the 27th or 28th, the sky became almost absolutely cloudless, and though humidity then decreased, it still remained moderate in amount. The night temperatures also then decreased steadily, and in some cases rather rapidly, while the day temperatures also decreased, but not so rapidly. The barometer, on the other hand, increased very slowly, and almost continuously, up to the 29th, when it again commenced to fall slowly, but at the end of the month pressure was still fairly high. At the close of November, therefore, weather conditions had again become almost normal, and they were fine and settled and of the ordinary cold weather character.

Pressure.—The principal variations of pressure which occurred during the month were those connected with the development and advance of the cyclonic storm from the Bay,

when pressure fell very largely. The storm has indeed had a marked effect in the mean pressure for the month, and in all districts pressure has been below the normal; the defects ranging from about six to eight hundredths of an inch in Orissa, and in the south-western districts generally to about three to five hundredths of an inch in East and North Bengal. The average defect of the mean pressure for the month for the whole of Bengal has equalled about 0·06 inch, while the defect in Assam has been almost the same amount

Temperature.—The temperature variations during the month form an excellent illustration of the fact that in the cold weather months, when conditions become disturbed in Bengal, and when skies cloud over, temperatures, and particularly the night temperatures, increase rather largely. Thus during the first week of the month, when weather conditions were of the normal north-east monsoon character, the mean temperature only varied from the normal by an excess of about six or seventh-tenths of a degree. Temperature remained fairly low and without much variation from the normal up to about the 13th, when with the inrush of moist winds the temperature distribution changed rapidly. At many stations with the clouding up of the sky the night temperatures rose rapidly, and at Cuttack, Bankoora, Burdwan, Chupra, &c., the rise in twenty-four hours equalled from eight to ten degrees. The day temperatures, however, changed little, and in some cases even fell. Excessive night temperatures continued to be recorded up till about the 23rd of the month, and from the 15th to the 23rd the average minimum temperatures at many stations were from six to ten degrees above the normal. After the 23rd, however, both day and night temperatures commenced steadily to fall, though the mean temperature of the province for the last week was still about two and-a-half degrees above the normal. For the whole month, therefore, the mean temperature for the province has been in excess of the normal by nearly two degrees, while in Assam the excess has equalled no less than 3·2°.

The general variation of the day and night temperatures during the month is, however, best seen in the following table, where the weekly variations of the average maximum, minimum, and mean temperatures from the normal are given at nine typical stations in different districts of the province. The extremely large variations of the night temperatures above referred to are here clearly indicated :—

Stations.	Week ending 8th November 1889.			Week ending 15th November 1889.			Week ending 22nd November 1889.			Week ending 29th November 1889.		
	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.
Cuttack	+2·3	−3·1	−0·5	−0·7	−0·7	−0·9	−6·4	+7·0	+0·3	−0·5	+2·3	+0·8
Calcutta	+1·0	−1·5	−0·3	+0·4	+1·6	+0·8	−4·7	+6·4	+0·8	−0·4	+3·5	+1·5
Dacca	+1·7	+0·3	+1·0	+1·8	+3·1	+2·3	−7·0	+5·5	−0·8	+0·2	+3·1	+1·6
Burdwan	+3·6	−0·6	+1·1	+2·3	+2·6	+2·4	−6·1	+8·1	+0·8	+0·4	+5·0	+2·5
Patna	+2·3	−2·4	−0·3	+1·9	+1·3	+1·4	+1·8	+8·7	+5·0	+3·4	+3·1	+3·1
Gya	+2·1	−1·3	+0·3	+0·8	+0·9	+0·6	−0·6	+8·9	+4·0	+3·2	+4·8	+3·8
Purneah	+0·6	+0·9	+0·6	+1·3	+2·6	+1·8	−1·2	+9·9	+4·3	+1·0	+3·3	+2·1
Hazaribagh	+1·0	−2·8	−1·0	+0·6	+1·2	+0·7	−3·4	+5·8	+1·0	+2·1	+1·9	+1·8
Darjeeling	+4·9	+6·1	+5·5	+6·1	+5·5	+5·6	+3·2	+4·1	+3·5	+1·1	+3·9	+2·3

Rainfall.—As above stated, general rainfall has been brought up to a large part of the province, and at many stations the rainfall extended over a period of about ten days. In the districts most largely affected by the storm, very heavy rain has been recorded, and in Orissa, for example, an average fall of no less than 9·85 inches occurred. The falls were next in order of heaviness in South-West Bengal, where they averaged 4·72 inches. In East Bengal the falls equalled 3·48 inches, and in Chutia Nagpur and North Bengal they were between one and-a-half and one inch. In South Behar an average fall of about three-quarters of an inch is recorded, while in North Behar the general fall has only been a third of an inch. It has been previously stated that the normal rainfall for November is very small, so that the amounts received this year have been excessive, and they vary from being about fifteen times as large as the usual fall in South-West Bengal to about four times the usual fall in Behar, East Bengal, and Chutia Nagpur.

The following table gives in a condensed form the rainfall information for each of the seven large meteorological districts of Bengal for the present year up to the close of November. The numbers there given are the actual average rainfalls in each month in each district, expressed as a percentage of the normal fall for the period, and the last

column gives also the total rainfall up to the end of November, expressed as a percentage of the normal amount :—

Meteorological Divisions.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	Actual rainfall of first eleven months of 1889 expressed as a percentage of the normal fall for the period.
Orissa ...	16	120	18	26	75	123	90	117	55	150	835	112
South-West Bengal	182	122	35	62	55	140	84	71	90	112	1,523	98
East Bengal ...	79	81	20	86	67	113	92	94	89	133	335	96
North Bengal ...	553	170	10	46	40	126	120	85	117	44	713	101
North Behar ...	480	260	23	40	43	162	130	87	147	8	400	118
South Behar ...	339	291	73	14	57	143	94	94	114	40	365	104
Chutia Nagpur ...	121	122	47	130	45	122	77	76	72	71	439	84

Notwithstanding the general excessive falls which have been recorded in most districts there are a few small districts where falls smaller than the normal have been received. This is the case in the following districts:—Rungpore, Purneah, North and South Bhagalpur, Durbhunga, and Monghyr; while falls of about the normal amount were received in Chittagong, Noakhally, Dinagpore, Mozufferpore, Gya, and Patna.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of November 1889 :—

Meteorological Divisions.	Temperature.						Rainfall.							
			Averages for month.				Of month.			Rainy days.			Since 15th May.	
	Highest observed during month.	Lowest observed during month.	Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of month above or below normal mean of month.	Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	89·3	58·6	83·4	67·6	75·5	+1·0	9·85	1·18	+8·67	6·7	2·0	+4·7	61·89	52·53
South-West Bengal	90·0	57·4	81·9	66·6	74·3	+1·0	4·72	0·31	+4·41	6·5	0·9	+5·6	52·36	51·28
East Bengal	90·6	60·6	83·0	68·8	75·9	+2·0	3·48	1·04	+2·44	6·8	1·5	+5·3	75·38	73·36
North Bengal	88·6	56·2	82·9	66·4	74·2	+2·9	1·07	0·15	+0·92	2·8	0·4	+2·4	73·11	69·83
North Behar	89·3	53·5	83·1	62·1	72·6	+2·5	0·22	0·08	+0·24	0·7	0·3	+0·4	57·66	48·05
South Behar	89·9	52·1	83·1	61·8	72·5	+2·3	0·73	0·20	+0·53	2·1	0·4	+1·7	44·16	43·10
Chutia Nagpur	81·5*	49·4*	76·7*	58·3*	67·5*	+1·3*	1·36	0·31	+1·05	4·0	1·0	+3·0	43·08	48·57
Assam	92·5	62·0	82·2	67·6	74·9	+2·2								

* Chyebassa not included.

Meteorological Office, Bengal,
The 10th December 1889.

A. Pedler,
Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of Beng

Meteorological Division.	District	Representative station.	Station Observations.														
			Air Pressure.			Wind.		Temperature.									
			Mean barometric height, 8 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean, 8 A.M.
Orissa.	Pooree	Pooree ...	29·983	29·996	—	NNW	?	82·2	1st Dec.	59·8	3rd Dec.	81·5	62·1	71·8	—	6
		Gopalpore	29·981	30·031	—·040	NNW	209	83·7	3rd ,,	60·4	4th ,,	81·3	62·5	71·9	+1·0	6
		False Point ...	29·972	29·994	—·008	NW	123	79·9	30th Nov. & 1st Dec.	55·0	3 & 4 ,,	79·1	57·3	68·2	—1·3	6
	Cuttack	Cuttack ...	29·935	30·020	—·042	W & Calm	19·0	82·8	3rd ,,	56·8	4th ,,	82·0	58·9	70·4	—0·9	6
	Balasore	Balasore ...	29·951	30·013	—·058	NNW	65·8	80·3	30th Nov.	52·5	3 & 4 ,,	78·8	55·2	67·0	0	6
South-West Bengal.	South-West Midnapore / South 24-Pergunnahs	Saugor Island	29·973	30·000	—·061	NNW	178	77·7	30th ,,	58·9	3rd ,,	76·3	61·1	68·7	—1·0	6
	Midnapore	Midnapore ...	29·847	30·006	—·070	Calm & N	32·0	81·3	30th ,,	53·2	3rd ,,	70·4	55·6	67·6	—0·3	6
	24-Pergunnahs ... ... / Howrah ... ... / Hooghly	Calcutta	29·974	29·997	—·072	WNW	41	79·5	30th ,,	55·3	3rd ,,	77·0	57·7	67·4	—1·1	6
	Burdwan	Burdwan	29·886	29·952	— 089	NW	18·2	81·5	30th ,,	55·8	2nd ,,	78·8	58·2	68·5	—0·4	6
	Bankoora	Bankoora ...	29·663	29·682	—·088	W	49·8	81·1	30th ,,	52·8	3rd ,,	78·7	55·8	67·2	—1·2	6
	Beerbhoom ... ... / West Burdwan	Raneegunge	29·666	30·019	—·071	W	52·4	81·0	30th ,,	53·2	3rd ,,	79·3	55·3	67·3	—0·9	6
	Moorshedabad	Berhampore...	29·913	29·983	— 094	Calm	29·7	81·1	30th ,,	55·7	2nd ,,	79·0	59·1	69·1	+1·0	6
	Nuddea	Krishnaghur...	29·944	30·013	—·067	WNW	54·1	79·8	30th ,,	53·3	2nd ,,	78·0	56·7	67·3	—0·9	6
	Jessore ... ... / Khoolna	Jessore ...	29·949	29·984	—·075	North-westerly.	31·1	81·2	30th ,,	58·5	2 & 3 ,,	77·3	61·3	69·3	+0·1	6
	Chittagong	Chittagong	29·874	29·968	—·075	Variable	33·3	82·1	30th ,,	60·1	2nd ,,	79·7	61·8	70·8	+0·2	6
East Bengal.	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29·955	29·968	—·063	Calm	50·6	80·3	30th Nov.	59·1	3rd ,,	77·9	60·8	69·4	+0·2	6
	Noakholly	Noakholly ...	29·936	29·981	—	N	60·7	82·0	30th ,,	57·8	4th ,,	79·5	59·1	69·3	—	6
	Furreedpore	Furreedpore...	29·945	29·986	—·069	Calm	42·3	79·8	30th ,,	59·0	3rd ,,	74·5	61·9	68·2	+0·1	6
	Dacca	Dacca ...	29·942	29·965	—·089	Northerly	65·8	81·6	30th ,,	59·8	3rd ,,	79·6	61·1	70·3	—0·3	6
	Tipperah	Commillah	29·929*	29·966*	—·077	Variable	7·5	81·4	30th ,,	58·5	3 & 4 ,,	80·0	59·3	69·8	+0·6	6
	Mymensingh	Mymensingh	29·915	29·975	—·069	Calm	36·9	81·1	30th ,,	57·9	1st ,,	79·4	60·5	69·9	+2·0	6
North Bengal.	Bogra	Bogra	29·891	29·957	—·070	Variable	26·3	81·3	30th ,,	55·7	2nd ,,	79·5	58·5	69·0	0	6
	Pubna	Serajgunge	29·920	29·969	—·082	North-westerly.	14·5	81·1	30th ,,	56·1	2nd ,,	79·2	59·1	69·2	+1·3	6
	Rajshahye	Rampor Beauleah.	29·966	29·979	—·073	N	57·8	79·9	30th ,,	53·7	2nd ,,	78·3	58·1	68·2	+2·1	6
	Maldah	Maldah ...	29·920	30·005	—	NW	70·9	81·1	30th ,,	50·9	2nd ,,	79·5	55·1	67·1	—	6
	Dinagepore	Dinagepore ...	29·856	29·984	—·064	W	34·3	81·6	30th ,,	53·7	2nd ,,	80·6	56·5	68·5	+0·9	6
	Rungpore	Rungpore ...	29·861	29·992	—·085	Northerly	28·9	81·9	30th ,,	55·0	1st ,,	80·6	56·9	68·8	+3·2	6
	Julpigoree ... ... / Cooch Behar	Julpigoree ...	29·687	29·988	—·086	N	114·6	81·4	30th ,,	56·9	30th Nov. 1, 3 & 6 Dec.	78·3	57·8	68·0	+2·3	6
	Darjeeling Hill Tracts ...	Darjeeling ...	22·967	—	—·079	ENE	75·2	55·2	4th Dec.	40·0	6th ,,	54·2	40·7	47·2	+2·7	4
North Behar.	Purneah ... ... / North Bhagalpore ...	Purneah ...	29·855	29·988	—·088	SW	49·6	78·7	30th Nov.	49·5	2nd ,,	77·5	53·7	65·6	+0·1	6
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga ...	29·821	29·999	—·104	WsW	69·1	79·9	6th Dec.	54·4	2nd ,,	78·8	57·6	68·2	+1·6	6
	Chumparun	Motihari ...	29·749	29·991	—·092	Calm & SW	118·1	78·6	30th Nov, 5 & 6 Dec.	48·9	2nd ,,	77·5	52·5	65·0	+1·2	5
	Sarun	Chupra ...	Observations incomplete.													
South Behar.	Shahabad	Dehree ...	29·650	30·028	—·078	S.-Wly.	161·3	75·3	30th Nov.	51·5	3rd ,,	78·2	54·0	66·2	+1·9	5
		Buxar ...	29·759	30·017	—·091	WNW	95·2	78·4	30th ,,	48·9	1st ,,	76·5	52·3	64·4	+0·2	5
		Arrah ...	29·800	30·007	—·074	Calm & WSW	66·3	78·6	30th* ,,	49·4	3rd ,,	77·5	51·4	64·5	+0·8	6
	Gya	Gya ...	29·625	30·028	—·089	Calm	115·1	79·8	2nd Dec.	51·8	2 & 3 ,,	78·4	53·2	65·8	+1·9	6
	Patna	Bankipore ...	29·815	30·010	—·107	W	48·6	79·1	2nd ,,	51·6	1 & 3 ,,	77·5	53·3	65·4	+0·6	6
	South Bhagulpore ... / Monghyr	Bhagulpore ...	29·820	29·991	—·091	WNW	50·0	80·3	1st ,,	49·0	2nd ,,	78·7	52·3	65·5	+0·8	6
	Sonthal Pergunnahs ...	Doomka ...	29·486	30·014	—	WNW	30·2	79·1	30th Nov.	51·0	2nd ,,	77·4	53·4	65·4	—	6
Chutia Nagpur.	Hazaribagh	Hazaribagh ...	27·936	30·026	—·085	W	192·9	75·4	3rd Dec.	49·4	4th ,,	74·2	51·2	62·7	+0·6	5
	Lohardugga ... ... / Manbhoom	Ranchee ...	27·807	30·021	—·078	Calm	121·7	76·1	30th Nov.	43·9	3rd ,,	74·2	48·2	61·2	—0·3	5
	Singbhoom	Chyebassa ...	29·230	30·036	—	South-westerly.	25·2	80·6	3rd Dec.	50·1	3rd ,,	78·9	52·4	65·7	—	6

* Means for six days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The num
are the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional station for the period in question during the
stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 6th of December 1889.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. RAINFALL. OF WEEK. Mean for district.	Normal mean.	Since 1st of November. Mean for district.	Normal mean.	Variation.	Since May 15th. Mean for district.	Normal mean.	Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Divisions.
78	1·0	Nil	Nil	0·37	14·64	2·26	+12·38	74·53	54·52	+20·01	0·0	0·4	Pooree	Pooree	Orissa.
73	0·7	Nil											Gopalpore		
87	2·9	Nil											False Point		
73	2·6	Nil	Nil	0·22	9·85	1·13	+8·72	66·19	51·13	+15·06	0·0	0·4	Cuttack	Cuttack	
82	0·0	Nil	Nil	0·08	6·66	0·88	+5·78	49·87	52·35	−2·48	0·0	0·2	Balasore	Balasore	
85	3·7	Nil	Nil	0·16	6·56	0·77	+5·79	58·39	61·79	−3·40	0·0	0·2	Saugor Island	South-West Midnapore	South-West Bengal.
														South 24-Pergunnahs	
74	1·4	Nil	Nil	0·10	2·89	0·31	+2·58	46·29	50·86	−4·57	0·0	0·2	Midnapore	Midnapore	
75	1·0	Nil	Nil	0·15	3·11	0·46	+2·65	53·38	51·02	+2·36	0·0	0·2	Calcutta	24-Pergunnahs	
														Howrah	
														Hooghly	
70	2·3	Nil	Nil	0·09	7·04	0·40	+6·64	43·83	46·19	−2·36	0·0	0·2	Burdwan	Burdwan	
74	0·6	Nil	Nil	0·14	3·69	0·46	+3·23	55·88	52·12	+3·76	0·0	0·2	Bankoora	Bankoora	
75	0·9	Nil	Nil	0·08	4·59	0·22	+4·37	52·44	51·10	+1·34	0·0	0·2	Raneegunge	Beerbhoom	
														West Burdwan	
85	3·9	Nil	Nil	0·09	3·50	0·33	+3·17	51·15	49·92	+1·23	0·0	0·2	Berhampore	Moorshedabad	
82	2·7	Nil	Nil	0·08	7·40	0·41	+6·99	51·49	48·77	+2·72	0·0	0·2	Krishnaghur	Nuddea	
90	2·0	Nil	Nil	0·19	5·69	0·57	+5·12	53·33	52·57	+0·76	0·0	0·3	Jessore	Jessore	
														Khoolna	
90	6·4	Nil	Nil	0·40	1·39	2·56	−1·17	99·60	112·80	−13·20	0·0	0·4	Chittagong	Chittagong	East Bengal.
			Nil	0·29	4·39	2·42	+1·97	64·45	80·32	−15·87	0 0	0·4	Demagiri	Chittagong Hill Tracts	
86	0·3	Nil	Nil	0·34	2·79	1·71	+1·08	77·58	76·22	+1·36	0·0	0·4	Barrisal	Backergunge	
86	0	Nil	Nil	0·09	2·99	3·24	−0·25	90·03	105·68	−15·65	0·0	0·5	Noakholly	Noakholly	
86	0·7	Nil	Nil	0·10	6·26	0·51	+5·75	60·21	55·35	+4·86	0·0	0·2	Furreedpore	Furreedpore	
79	2·7	Nil	Nil	0·18	4·90	0·75	+4·15	74·59	59·14	+15·45	0·0	0·2	Dacca	Dacca	
81	1·7	Nil	Nil	0·28	2·76	1·02	+1·74	55·43	68·70	−13·27	0·0	0·3	Commillah	Tipperah	
90	4·4	Nil	Nil	0·09	2·47	0·33	+2·14	87·63	67·07	+20·56	0 0	0·2	Mymensingh	Mymensingh	
81	0	Nil	Nil	0·08	1·05	0·42	+0·63	64·80	56·82	+7·98	0·0	0·2	Bogra	Bogra	North Bengal.
87	3·0	Nil	Nil	0·07	5·57	0·34	+5·23	54·99	52·80	+2·19	0·0	0·2	Serajgunge	Pubna	
76	0·6	Nil	Nil	0·10	2·19	0·24	+1·95	54·30	53·28	+1·02	0·0	0·2	Rampore Beauleah	Rajshahye	
79	0	Nil	Nil	0·06	0·50	0·26	+0·24	39·76	53·68	−13·92	0·0	0·1	Maldah	Maldah	
89	0·3	Nil	Nil	0·10	0·27	0·16	+0·11	57·37	56·51	+0·86	0·0	0·2	Dinagepore	Dinagepore	
94	0	Nil	Nil	0·02	0·06	0·11	−0·05	85·16	73·56	+11·60	0·0	0·1	Rungpore	Rungpore	
91	0·6	Nil	Nil	Nil	0·38	0·07	+0·31	117·13	111·03	+6·10	0·0	0·0	Julpigoree	Julpigoree	
														Cooch Behar	
88	3·9	Nil	Nil	0·02	0·60	0·28	+0·32	132·75	119·98	+12·77	0·0	0·1	Darjeeling	Darjeeling Hill Tracts	
82	0	Nil	Nil	Nil	Nil	0·06	−0·06	74·71	58·01	+16·70	0·0	0·0	Purneah	Purneah	North Behar.
														North Bhagulpore	
			Nil	Nil	0·21	0·07	+0·14	48·66	42·49	+6·17	0·0	0·0	Mozufferpore	Mozufferpore	
79	0	Nil	Nil	Nil	0·01	0·06	−0·05	51·84	43·93	+7·91	0·0	0·0	Durbhunga	Durbhunga	
89	0	Nil	Nil	Nil	0·68	0·01	+0·67	63·55	45·92	+17·63	0·0	0·0	Motihari	Chumparun	
			Nil	Nil	1·04	0·18	+0·86	40·13	42·04	−1·91	0 0	0·0	Chupra	Sarun	
71	0	Nil											Dehree	Shahabad	South Behar.
64	0	Nil	Nil	Nil	0·39	0·27	+0·72	40·07	39·24	+0·83	0·0	0·0	Buxar		
72	0	Nil											Arrah		
59	0·6	Nil	Nil	Nil	0·24	0·24	0	37·97	40·64	−3·57	0·0	0·0	Gya	Gya	
70	0·0	Nil	Nil	Nil	0·19	0·20	−0·01	43·49	40·63	+2·86	0·0	0·0	Bankipore	Patna	
76	0	Nil	Nil	0·01	0·12	0·21	−0·09	42·43	42·98	−0·55	0·0	0·1	Bhagulpore	South Bhagulpore	
														Monghyr	
74	0	Nil	Nil	0·05	1·70	0·21	+1·49	54·15	50·24	+3·91	0·0	0·1	Deomka	Sonthal Pergunnahs	
82	1·4	Nil	Nil	0·02	1·03	0·34	+0·69	43·03	49·82	−6·79	0·0	0·1	Hazaribagh	Hazaribagh	Chutia Nagpur.
58	1·0	Nil	Nil	0·01	0·97	0·47	+0·50	44·34	48·23	−3·89	0·0	0·1	Ranchi	Lohardugga	
			Nil	0·06	2·05	0·24	+1·81	38·35	46·27	−7·94	0·0	0·1		Manbhoom	
74	1·3	Nil	Nil	0·09	2·44	0·32	+2·12	48·76	50·49	−1·73	0·0	0·3	Chyebassa	Singbhoom	

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
17 years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 6th of December 1889.

Meteorological division.	District.	Station.	Rainfall. Saturday, 30th November.	Sunday, 1st December.	Monday, 2nd December.	Tuesday, 3rd December.	Wednesday, 4th December.	Thursday, 5th December.	Friday, 6th December.	Total Number of rainy days.	Total Rainfall of week.	Total rainfall since 1st of November.	Average total rainfall from 1st of November.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
Orissa	Pooree	Pooree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	17·65	2·54	80·42	50·54
		Khurdah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	10·16	1·73	76·57	55·83
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	14·16	2·00	65·86	47·78
		False Point	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	16·58	2·73	75·76	62·72
		Gop	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	15·26	?		?
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil		?		?
	Cuttack	Jagatsingpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	10·41	1·29	73·97	46·42
		Banki	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7·09	1·26	52·43	48·55
		Cuttack	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	11·54	1·18	75·18	55·73
		Kendrapara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	10·31	1·19	71·77	52·48
		Jajpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	9·89	0·87	57·64	52·52
		Dharmsala	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	9·00	?	59·25	?
		Salipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	10·55	?	72·47	?
	Balasore	Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	9·96	1·60	54·52	51·49
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	8·23	1·03	57·66	50·97
		Sorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	6·90	0·72	46·05	50·71
		Balasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	6·37	1·05	46·61	57·22
		Jellasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·22	0·40	39·59	53·07
		Baripodah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·27	0·53	54·79	53·29
South-West Bengal.	Midnapore	Contai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7·71	0·83	55·08	50·74
		Saugor Island	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	6·60	1·00	56·71	66·59
		Tumlook	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·30	0·45	49·40	50·65
		Midnapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·25	0·28	46·26	48·09
		Ghattal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·10	0·25	43·19	53·89
		Kukrahaty	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·65	?	59·65	?
		Heria	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·98	?	65·06	?
		Bhagwanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·18	?	51·72	?
		Garbetta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·43	?	46·29	?
	24-Pergunnahs	Diamond Harbour	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·38	0·49	63·37	57·72
		Canning Town	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·91	?	57·63	?
		Alipore Jail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·69	0·49	51·80	55·09
		Barrackpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·64	0·09	51·79	49·23
		Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·09	0·36	64·58	50·95
		Baraset	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·36	0·45	57·61	49·17
		Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·15	0·54	60·92	54·05
	Howrah	Howrah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·92	0·45	59·12	51·15
		Mohesreka (*Ooloberiah.*)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·61	0·62	54·64	51·33
	Hooghly	Serampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·74	0·33	55·27	49·52
		Hooghly	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·61	0·41	36·92	47·38
		Jehanabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·25	0·31	41·13	54·12
	Burdwan	Culna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·77	0·55	41·32	43·89
		Burdwan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·93	0·56	47·07	47·37
		Cutwa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	10·42	0·29	43·11	47·23
		Raneegunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7·33	0·23	55·83	48·60
		Mankur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·34	?	53·71	?
	Bankoora	Bankoora	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·17	0·33	50·79	50·99
		Bishenpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·54	0·20	57·49	51·47
		Maliara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil		0·43		51·45
		Khatra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·69	0·84	65·91	53·51
		Indas	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·39	?	45·14	?
		Kotalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·43	?	45·12	?
		Anda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·53	?	48·40	?
		Gangajalghati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7·36	?	40·44	?
		Raipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·95	?	59·17	?
		Sonamukhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·33	?	58·35	?
	Beerbhoom	Bh. Soory	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·94	0·16	59·06	53·78
		Hetampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·56	0·19	47·07	53·72
		Rampore Haut	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·52	0·30	47·78	50·95
		Bolpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·62	?	54·97	?
		Murarai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·73	?	53·10	?
	Nuddea	Ranaghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·99	0·53	55·80	46·50
		Kishnaghur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	8·96	0·35	42·95	45·64
		Chooadanga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	10·65	0·56	49·81	50·61
		Meherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·26	0·23	53·05	47·07
		Kooshtea	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	8·26	0·35	55·91	53·94
	Khoolna	Satkhira	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·60	0·70	52·50	54·69
		Bagirhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·93	0·80	53·69	60·71
		Khoolna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·63	0·69	55·60	54·06
	Jessore	Narail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·10	0·60	49·47	45·19
		Jessore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7·62	0·47	62·35	53·63
		Jhenidah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	8·99	0·43	50·50	52·94
		Magoorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	9·73	0·34	56·48	48·82
		Bongong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·95	0·53	46·01	51·27
	Moorshedabad	Kandi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·70	0·43	55·38	50·51
		Berhampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·94	0·31	46·16	50·65
		Lalbagh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·64	0·44	47·13	50·30
		Azimgunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil		0·28		50·09
		Jungipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·16	0·17	55·01	48·60
		Lalgola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·80	0·28	59·02	50·32
		Jiagunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·77	?	43·25	?
		Akhriguni	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·97	?	42·81	?
		Patkabari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·20	?	?	?
East Bengal	Chittagong	Cox's Bazar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·11	2·93	123·46	134·81
		Chittagong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·66	2·16	75·71	93·61
		Kutubdia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·73	?	113·04	?
		Satkanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·25	?	65·56	?
	Chittagong Hill Tracts.	Rangamati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·32	2·38	62·64	82·96
		Runa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·45	2·43	66·25	79·41
	Backergunge	Patuakhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·09	2·08	87·15	87·39
		Perozepore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·14	1·42	71·96	69·25
		Burrisal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·26	1·54	72·18	66·99
		Bhola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·68	1·78	78·99	81·33

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 6th of December 1889 —contd.

Meteorological Division.	District.	Station.	Rainfall: Saturday, 30th November.	Sunday, 1st December.	Monday, 2nd December.	Tuesday, 3rd December.	Wednesday, 4th December.	Thursday, 5th December.	Friday, 6th December.	Total: Number of rainy days.	Total: Rainfall of week.	Total rainfall since 1st of November.	Average total rainfall from 1st of November.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
EAST BENGAL —concld.		*Gournaddi* ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·24	?	61·31	?
		Bauphal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·77	?	92·54	?
	Noakholly ...	Noakholly ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·54	2·33	103·03	107·06
		Feeny ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·44	4·13	77·98	105·76
		Harishpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·47	?	82·57	?
		Ramganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·91	?	86·75	?
	Furreedpore	Madaripore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·94	0·61	60·80	54·91
		Furreedpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7·23	0·48	63·80	53·84
		Goalundo ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7·87	0·41	56·29	52·48
	Dacca ...	Munshigunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·93	1·11	76·33	69·46
		Dacca ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·58	0·61	73·69	67·94
		Narainguge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·78	0·81	80·36	59·40
		Manickgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·32	0·48	67·99	49·60
		Joydebpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·02	?	66·61	?
	Hill Tipperah	Agartola ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·23	1·11	44·08	60·78
	Tipperah ...	Comilla ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·51	1·30	62·09	75·31
		Chandpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·46	0·92	64·82	75·14
		Brahmunberia ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·83	0·76	50·08	60·81
		Ramchandrapore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·93	?	60·14	?
		Nasirnagar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·20	?	30·59	?
		Daudkandi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·20	?	52·29	?
		Kasba ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·16	?	62·44	?
		Lakshan ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·44	?	69·09	?
	Mymensingh ...	Kishoregunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·90	0·50	69·56	69·28
		Atia (*Tangail*) ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5·90	0·32	60·98	54·95
		Mymensingh ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·14	0·35	96·55	73·48
		Jamalpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·02	0·34	85·14	64·54
		Netrokona ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·57	0·19	125·92	72·59
		Subornakhali ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·32	?	57·43	?
		Durgapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·50	?	119·98	?
		Sherepore Town ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·57	?	87·09	?
		Dewanganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·36	?	56·31	?
NORTH BENGAL.	Pubna ...	Pubna ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	8·10	0·24	49·83	53·23
		Serajgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·74	0·43	60·13	52·30
	Bogra ...	Sherepore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·46	0·65	62·06	56·94
		Nowkuilla ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·09	0·57	60·96	53·75
		Bogra ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·20	0·33	72·60	60·08
		Panchubi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·47	0·13	64·96	55·53
	Rajshahye ...	Beauleah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·44	0·23	46·26	53·47
		Nattore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·24	0·34	68·84	54·27
		Naogaon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·89	0·29	57·87	50·61
		Lalpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·33	?	36·72	?
		Mando ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·55	?	45·27	?
	Maldah ...	Maldah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·83	0·28	50·53	51·24
		Chanchal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·16	0·21	23·98	56·13
		Gajol ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	39·79	?
		Sibganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·78	?	51·77	?
	Dinagepore ...	Mohadebpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·65	0·21	53·60	55·75
		Churamon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·42	0·09	54·32	51·83
		Raigunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·15	52·25	57·15
		Dinagepore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	67·84	62·94
		Balcorghat ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·26	0·35	61·28	50·87
		Thakoorgaon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·05	?	87·47	?
	Rungpore ...	Bhawanigunge (*Gyabanda*) ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·20	0·16	87·55	61·15
		Rungpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·04	0·11	74·41	73·88
		Kurigrau ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·16	90·97	72·64
		Bagdogra (*Nilphamari*) ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·03	87·69	84·43
		Ulipore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	79·00	?
	Julpigoree ...	Julpigoree ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·03	0·10	123·37	116·34
		Alipore Door ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	119·58	?
		Fallacotta ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.16	?	127·43	?
		Debigunj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·15	?	89·92	?
		Bhagalpore (*Nagrakatta*).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·22	?	138·51	?
	Cooch Behar ...	Dinhatta ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·13	0·02	98·00	95·46
		Cooch Behar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·40	0·08	125·34	117·74
		Mickilgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·15	0·07	121·37	103·61
		Matabhanga ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·21	0·08	117·63	111·91
	Darjeeling Hill.	Buxa ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·71	0·52	191·08	191·21
		Silliguri ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·27	0·16	126·71	102·49
		Darjeeling ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·15	0·23	127·87	107·93
		Kalimpong ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·27	0·23	91·36	82·27
		Kurseong ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·67	?	168·25	?
NORTH BEHAR	Purneah ...	Kissengunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	102·37	69·66
		Arrareah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	79·61	63·16
		Purneah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	63·45	60·99
		Gondwara ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?		?
		Balarampore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?		?
		Maisari ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·23	?		?
		Kaliaganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·65	?		?
	North Bhagulpore	Maddapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	60·85	48·39
		Soopaul ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·04	67·26	47·59
		Protabganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	87·85	?
	Durbhunga ...	Tajpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·03	0·10	42·44	42·52
		Durbhunga ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	50·01	45·16
		Madhubani ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	63·11	44·23
		Bahera ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	69·96	?
		Koshera ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	55·84	?
	Mozufferpore	Sitamarhi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·30	0·01	55·96	42·44
		Mozufferpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·12	0·10	48·41	44·63
		Hajipore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·20	0·14	42·52	41·27
		Para ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·14	?	37·69	?
		Mahua ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·40	?	41·02	?
		Sinhar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·45	?	?	?
		Pupri ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	47·60	?

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 6th of December 1889—concld.

Meteorological Division.	District.	Station.	Rainfall. Saturday, 30th November.	Sunday, 1st December.	Monday, 2nd December.	Tuesday, 3rd December.	Wednesday, 4th December.	Thursday, 5th December.	Friday, 6th December.	Total. Number of rainy days.	Total. Rainfall of week.	Total rainfall since 1st of November.	Average total rainfall from 1st of November.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
North Behar —concluded.	Chumparun...	Motihari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·02	0·02	74·79	44·01
		Bettiah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·75	0·01	52·29	47·23
		Bagaha	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·13	?	69·87	?
		Burhurwa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·36	?	51·70	?
	Saran	Gopalgunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·35	0·14	35·48	42·55
		Sewan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·57	0·12	44·20	43·98
		Chuprah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·21	0·29	40·74	39·75
South Behar	Shahabad	Buxar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·44	0·17	47·40	37·60
		Dehree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·37	0·22	42·60	38·64
		Bhaboosh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·50	0·52	38·16	39·89
		Sasseram	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·44	0·24	29·41	38·91
		Arrah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·18	0·17	42·69	39·49
		Mohaniah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·50	?	?	?
	Gya	Aurungabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·38	0·23	35·42	41·92
		Gya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·13	0·27	39·85	41·81
		Nowadah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·06	0·29	39·59	39·19
		Jehanabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·39	0·28	33·40	39·22
		Arwal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·32	?	34·34	?
		Daudnagar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	26·69	?
		Sherghati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	29·29	?
		Rajauli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·59	?	17·92	?
		Pakri Barawan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	31·90	?
	Patna	Patna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·23	0·15	51·49	41·22
		Dinapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·25	0·13	45·53	40·86
		Behar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·18	0·24	41·08	41·17
		Barrh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·10	0·24	35·83	39·21
		Bickram	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·32		43·28	
		Hilsa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·12		35·21	
	Monghyr	Begoosarai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·10	0·32	47·62	39·5
		Monghyr	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	41·67	46·0
		Jamui	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·21	0·10	39·48	42·2
		Gogri	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59·19	?
		Sheikpura	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43·32	?
	South Bhagulpore	Bhagulpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·04	0·32	45·66	41·6
		Banka	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·26	0·14	58·34	43·0
		Kolgome	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·02	?	44·97	?
		Bangaon	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Sonthal Perguunahs.	Rajmehal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·30	0·16	59·50	52·7
		Godda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·73	0·15	49·04	47·5
		Pakour	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·91	0·14	73·59	55·7
		Nya Doomka	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·53	0·25	56·75	51·7
		Deoghur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·99	0·17	40·40	50·5
		Jamtara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·74	0·39	45·21	48·5
		Mohagama	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·18	?	56·41	
		Nasnat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·45	?	53·87	
Chutia Nagpur.	Hazaribagh	Pachamba (*Giridi*).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·40	0·24	38·90	46·7
		Hazaribagh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·49	0·29	49·10	46·6
		Semtagurah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·15	0·38	36·24	46·7
		Mahudi Hills	.....	.....	.....	.....	.....	.....	.....	Nil	Nil		0·55		46·2
		Jhoomra Hills	.....	.....	.....	.....	.....	.....	.....	Nil	Nil		0·27		61·1
		Barhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·30	?	31·36	
		Chatra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·71	?	46·04	
		Karagdeha	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·10	?	39·35	
		Ramghar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil		?	?	
	Lohardugga	Lohardugga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·45	0·51	45·24	49·2
		Ranchi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·85	0·34	53·61	51·1
		Palamow	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·61	0·48	34·16	42·2
		Silli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	32·39	
		Balumat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·50	?	?	
		Hosseinabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	44·40	
		Garwah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0·40	?	28·77	
	Singbhoom	Chyebassa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·44	0·32	48·76	50·2
		Chakradharpore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·66	?	40·80	
		Ghatsilla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·99	?	58·70	
		Baharagura	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3·00	?	53·80	
	Manbhoom	Purulia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·50	0·28	43·46	45·2
		Gobindpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·60	0·19	33·19	44·1
		Raghunathpore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	6·27	?	45·91	
		Barrabhoom	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4·20	?	44·32	
		Jhalda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1·97	?	51·42	
		Cass	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2·48	?	58·56	

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the* 10*th December* 1889.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 6TH DECEMBER 1889.

THE meteorological conditions during the present week call for few remarks. During the previous week the disturbed conditions, which had been brought up by the cyclonic storm which struck the Orissa coast on the morning of the 20th of November, had entirely passed away, and normal north-east monsoon conditions obtained from about the 26th or 27th of November. The present week has been marked by the continuance of these north-east monsoon or cold weather conditions in a fairly pronounced degree, and there has been no change of any importance to notice except that there has been an almost continuous reduction of temperature during the week; the daily falls in the mean temperature at many stations, particularly in the south of the province, on certainly four days out of the seven averaging from one to two degrees, though, on the other hand, about the middle of the week on one or two days temperature distinctly rose. Pressure increased rapidly during the middle of the week from the Monday to the Wednesday, but on the other days slight falls were reported. A steady north-westerly wind current has prevailed at the majority of stations almost throughout the week, while skies have been almost cloudless Humidity has been generally moderate in amount, and there has been absolutely no rain at any station.

Pressure—Fell slowly at many stations on the 30th of November and 1st of December, but a rather rapid rise then set in which lasted for three days, during which an increase of about a tenth of an inch took place. On the 5th and 6th, however, pressure again fell by small amounts. The mean pressure for the week has therefore continued distinctly below the normal, and the defects generally have varied from about six to nine hundredths of an inch. These defects are smallest usually in Orissa, where they average about five hundredths of an inch, while in Behar at some stations, such as Durbhunga and Bankipore, the defect is larger than a tenth of an inch.

Temperature—Continued to fall rather rapidly during the first three days of the week, particularly over the southern half of the province, the fall averaging at some stations in South Bengal and Orissa about 2° daily. On the 3rd and 4th of December the variations of temperature were generally small, but on the 5th there was a distinct increase in the mean temperature, in some cases equalling 2°. On the 6th, or the last day of the week, however, temperature had again commenced to fall rather rapidly, and again at some stations the fall in the mean temperature equalled about 2°. For the whole week, therefore, the mean temperature of the province was only about half a degree in excess of the normal, instead of from two to three degrees as in the previous week. Indeed, during the present week in Orissa and South-West Bengal the mean temperature has been about half a degree below the normal, though, on the other hand, in North Bengal it has been 1·6° above the normal.

The general temperatures recorded in the various districts of the province, and the range from day to night, and their variation from their normal values, are, however, best seen in the following table, where the average maximum, minimum and mean temperatures for the week at nine typical stations in the province are compared with their normal values for the same period. It will be seen that the day temperatures are still rather above the normal, while the night or minimum temperatures are about normal in amount:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 6th December 1889.

	Normal mean maximum temperature for the week ending 6th December.	Actual mean maximum temperature for the week ending 6th December 1889.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 6th December.	Actual mean minimum temperature for the week ending 6th December 1889.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 6th December.	Actual mean daily temperature for the week ending 6th December 1889.	Variation of actual mean from the normal.
Cuttack	83·0	80·2	—2·8	59·5	58·9	—0·6	71·3	70·4	—0·9
Calcutta	77·0	77·0	—0·9	59·0	57·7	—1·3	68·5	67·4	—1·1
Dacca	81·5	79·6	—1·7	59·8	61·1	+1·3	70·6	70·3	—0·3
Burdwan	79·7	78·8	—0·9	58·1	58·2	+0·1	68·9	68·5	—0·4
Patna	76·6	77·5	+0·9	59·9	53·3	+0·4	64·8	65·4	+0·6
Gya	77·6	78·4	+0·8	52·0	53·2	+1·2	64·8	65·8	+1·0
Pútnean	78·6	77·5	—1·1	52·3	53·7	+1·4	65·5	65·6	+0·1
Hazaribagh	72·6	74·2	+1·6	5·6	51·2	—0·4	62·1	62·7	+0·6
Darjeeling	51·5	54·2	+2·7	37·9	40·7	+2·8	44·7	47·4	+2·7

Rainfall.—The whole province has been rainless throughout the entire week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 6th of December 1889 :—

Meteorological Divisions.	Temperature						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of Nov.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	83·7	52·5	80·5	59·2	69·9	−0·4	Nil	0·20	−0·20	0·0	0·3	−0·3	9·85	1·33	61·89	53·10
South-West Bengal ...	81·5	52·8	78·2	57·9	68·0	−0·5	Nil	0·13	−0·13	0·0	0·2	−0·2	4·72	0·44	52·36	51·43
East Bengal	82·1	57·9	78·7	60·7	69·7	+0·5	Nil	0·26	−0·26	0·0	0·3	−0·3	3·48	1·29	75·38	73·59
North Bengal	81·9	50·9	79·4	57·4	68·4	+1·6	Nil	0·06	−0·06	0·0	0·1	−0·1	1·07	0·21	73·11	69·76
North Behar*	79·9	48·9	77·9	54·6	66·3	+1·0	Nil	Nil	Nil	0·0	0·0	0	0·32	0·08	57·66	48·05
South Behar	80·3	48·9	77·7	52·8	65·3	+0·9	Nil	0·01	−0·01	0·0	0·1	−0·1	0·73	0·20	44·16	43·15
Chutia Nagpur	76·1*	43·9*	74·2*	49·7*	61·9*	+0·1*	Nil	0·03	−0·03	0·0	0·1	−0·1	1·36	0·35	43·08	48·59

* Chupra and Dhyebassa not included.

Meteorological Office, Bengal;
The 10th December 1889.

A. Pedler,
Meteorological Reporter to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of November 1889.

	Inches.	Date.	Hour.
The mean pressure of the month	29·887		
The average pressure of November from 24 years' registers ...	29·970		
The highest pressure in the month	30·047	15th	10
The lowest pressure in the month	29·763	21st	16
The range of pressure	0·284		
	Hours.		
The total number of hours of bright sunshine during the month	183·9		
The maximum possible number of hours of sunshine ...	330·8		
	⊖		
The mean temperature of the month	73·5		
The average temperature of November from 24 years' registers	74·8		
The highest temperature in the month	85·1	3rd.	
The lowest temperature in the month	58·7	30th.	
The range of temperature during the month	26·4		
The mean daily range of temperature	13·5		
The greatest range of temperature in one day	19·6	12th.	
	Per cent.		
The mean humidity of the month	82		
The average humidity of November from 24 years' registers ...	72		
	Inches.		
The mean vapour tension of the month	0·672		
The average vapour tension of November from 9 years' registers	0·616		
The mean cloud proportion of the month	3·62		
The average cloud proportion of November from 12 years' registers	2·71		
	Inches.		
The total rainfall of the month	3·17		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	3·14		
The average fall of November from 48 years' registers ...	0·65		
The greatest fall in 24 hours	0·88	14th.	
	Days.		
The number of rainy days in the month	10		
The average number of rainy days in November from 24 years' registers	2		
	⊖		
The mean maximum equilibrium temperature of solar radiation during the month	127·9		
The mean difference of sun and air temperatures	47·6		
The greatest sun temperature	141·5	5th.	
The greatest excess of sun over air temperature	60·8	22nd.	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	62·5		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	4·4		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	7·6	10th.	
	Miles.		
The mean movement of the wind per day	56·5		
The greatest movement of the wind in one day	158·0	21st.	
The greatest movement of the wind in one hour	10·0	20th	10 to 11 A.M.
		21st	8 to 9 A.M.

The number of hours with winds from each of the 8 points—

N. 220, N.E. 93, E. 69, S.E. 28, S. 21, S.W. 6, W. 32, N.W. 86, Calm 165.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 8 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 1·6 lower; and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 9th December 1889.

Results of the Meteorological Observations taken at the Alipore Observatory from 1st to 7th December 1889.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction.	Wind. Miles recorded.	Rain.	Weather.
1889.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Dec.	1st	133·7	8·3	29·902	66·4	76·2	18·3	57·9	61·0	0·468	57·0	74	N and N by W ...	48	Nil	Partially cloud D.
,,	2nd	137·2	6·0	·923	65·0	75·9	21·1	54·8	59·9	·451	56·0	75	WNW and calm ...	34	,,	Partially cloud D.
,,	3rd	130·7	9·2	·957	65·1	75·3	20·0	55·3	60·6	·474	57·4	78	WNW, calm and variable.	31	,,	Clear, D.
,,	4th	130·4	7·8	·976	67·4	77·4	19·5	57·9	62·9	·519	60·0	78	N by E and variable	41	,,	Partially cloud o, D.
,,	5th	130·5	9·3	·930	68·6	77·5	15·9	61·6	63·2	·513	59·6	74	NNW	58	,,	Clear.
,,	6th	131·7	9·5	·940	67·6	78·4	20·6	57·8	62·7	·509	59·4	77	W and calm ...	30	,,	Clear, D.
,,	7th	133·5	9·5	30·015	67·1	79·3	22·3	56·7	61·3	·467	57·0	73	NNW and calm ...	53	,,	Clear, D.

	Inches.
The mean pressure of the seven days	29·949
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	30·016
	Hours.
The total number of hours of bright sunshine	59·6
The maximum possible number of hours of sunshine	75·6
	°
The mean temperature of the seven days	66·7
The average temperature of the corresponding period for 24 years, S.-G.'s Office	70·0
The extreme variation of temperature	24·5
The maximum temperature	79·3
	Miles.
The highest velocity of the wind in one hour	8
	lbs.
The highest pressure of wind on one square foot	Not measurable.
	%
The mean relative humidity	76
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	72
	Inches.
The total fall of rain from 1st to 7th December 1889	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	0·04
The total fall from 1st January to 7th December 1889	57·44
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	63·19

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph

The maximum and minimum temperatures are obtained from self-registering thermometers. All th thermometers are verified, and the readings have been corrected to a standard constructed and verified at th Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four fe above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, former at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, D. dew.

C. Little,
For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 9th December 1889.

Abstract of the Results of the Barometric and Thermometric Observations taken at 10 a.m. at the Meteorological Office, Chowringhee, in the month of November 1889.

		Inches.	Dats.
The mean pressure at 10 A.M. during the month		29·956	
		°	
The mean temperature at 10 A.M. during the month		77·0	
The highest temperature during the month		86·4	3rd.
The lowest temperature during the month		59·3	30th.
The absolute range of temperature during the month		27·1	
The mean daily range of temperature during the month ...		14·4	
The greatest range of temperature in one day during the month ...		21·0	12th.
		%	
The mean 10 A.M. humidity during the month		72	
		Inches.	
The mean 10 A.M. vapour tension during the month		·667	
The total rainfall of the month		3·60	
The greatest fall in 24 hours		1·54	15th.
		Days.	
The number of rainy days in the month		8	

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEORCLOGICAL OFFICE, INDIA,
The 2nd December 1889.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 1st to 7th December 1889.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE. Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	HYGROMETRY. Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1889.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
December ...	1st ...	29·956	68·0	77·9	19·8	58·1	71·4	64·1	·502	59·0	65	.....
,, ...	2nd ...	·968	66·5	77·0	21·1	55·9	70·6	63·6	·496	58·7	66	.....
,, ...	3rd ...	30·011	66·9	77·9	22·0	55·9	70·1	63·6	·503	59·1	68	.....
,, ...	4th ...	·048	68·9	78·9	20·0	58·9	71·6	64·1	·499	58·9	64	.....
,, ...	5th ...	29·996	69·4	78·9	19·0	59·9	72·6	65·6	·538	61·0	67	.....
,, ...	6th ...	·992	69·4	79·9	21·0	58·9	73·0	64·4	·491	58·4	66	.....
,, ...	7th ...	30·092	69·1	80·2	22·3	57·9	72·1	63·6	·476	57·6	60	.....

		Inches.
The mean 10 A.M. pressure of the seven days		30·009
		°
The mean temperature of the seven days		68·3
The extreme variation of temperature		24·3
The maximum temperature		80·2
		%
The mean 10 A.M. relative humidity of the seven days		64
		Inches.
The total fall of rain from 1st to 7th December 1889		Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 9th December 1889.

MEMORANDUM.

THE principal Municipalities in Bengal returned, during the week ending 23rd November 1889, a birth and death-rate of 29·7 and 38·5 per 1,000 of population, respectively, against 30·6 and 32·3 per 1,000, respectively, during the preceding week ending 16th November, indicating a considerable advance in the registration of deaths.

2. The highest proportions of births and deaths were returned from—

Births.

	Ratio per *mille*.
Serampore	66·7
Naraingani	66·2
Rampore Beauleah	49·9
Utterpara	47·2
Durbhanga	47·2
Comillah	46·2
Hughli and Chinsurah	45·9
Bali	45·6
Monghyr	36·2
Ranaghat	36·0
Bhagulpore	33·5
Chittagong	30·5
Kishnaghur	30·3
Arrah	29·9
Dacca	29·8

Deaths.

	Ratio per *mille*.
Poori	151·1
Serampore	137·4
Utterpara	84·9
Darjiling	81·5
Gya	62·8
Hughli and Chinsurah	50·9
Naraingani	49·7
Bali	49·1
Howrah	47·5
Burdwan	47·3
Mozufferpore	43·8
Monghyr	33·4
Dacca	31·8
Durbhanga	31·5
Jessore	30·6

3. The principal diseases specified in the following table proved fatal at the rates exhibited below :—

	Ratio per *mille* during the weeks ending—	
	23rd November 1889.	16th November 1889.
Cholera	6·6	4·1
Small-pox	·2	·2
Fever	14·9	14·1
Bowel-complaints	5·9	3·7
Injury	·4	·4
Other causes	10·4	9·8

indicating, in comparison with the outcome of the preceding week ending 16th November, a noticeable increase in the death-rates from cholera and bowel-complaints, but no material differences in the fatal results from the other diseases.

4. The following Municipalities suffered in a more marked degree than the others from the diseases mentioned in the foregoing table, excepting small-pox and injury, the casualties from which were nowhere above normal :—

Cholera.

	Ratio per *mille*.
Poori ...	77·6
Serampore ...	61·0
Naraingani ...	29·0
Utterpara ...	28·3
Howrah ...	14·9
Burdwan ...	7·6
Patna City ...	4·2
Durbhanga ...	3·9

Fever.

	Ratio per *mille*.
Darjiling ...	37·0
Gya ...	33·4
Serampore ...	29·4
Hughli and Chinsurah ...	24·6
Mozufferpore ...	24·3
Poori ...	23·1
Bali ...	21·1
Kishnaghur ...	20·8

Bowel-complaints.

	Ratio per *mille*.
Serampore ...	29·4
Poori ...	16·8
Midnapore ...	13·9
Howrah ...	11·4

Other causes.

	Ratio per *mille*.
Darjiling ...	37·0
Poori ...	29·4
Gya ...	26·6
Serampore ...	25·5
Bali ...	17·5
Hughli and Chinsurah ...	16·4
Bhagulpore ...	16·3
Burdwan ...	15·3
Durbhanga ...	13·4
Monghyr ...	10·8

5. With reference to *Sex*, *Class* and *Age*, the mortality of the week stood as follows :—

According to Sex.

	Ratio per *mille*.
Males	39·4
Females	37·5
Ratio of male deaths to every 100 female deaths	113

According to Class.

	Ratio per *mille*.
Christians ...	67·2
Hindus ...	42·1
Mahomedans ...	28·6
Budhists ...	25·7

According to Age.

	Ratio per *mille*.
Under 1 year ...	274·5
1 and under 5 years ...	49·2
5 „ 10 „ ...	18·4
10 „ 15 „ ...	9·2
15 „ 20 „ ...	23·1
20 „ 30 „ ...	22·7
30 „ 40 „ ...	27·3
40 „ 50 „ ...	32·4
50 „ 60 „ ...	45·0
60 years and upwards ...	112·3

The 9th December 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.								DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ...	Burdwan	18,063	16,017	34,080	5	9	14	7·6	13·7	21·4	55	5	...	12	4	...	10	31	7·6	...	18·3	6·1	..	15·3	47·3	35·1	15	16	43·2	51·9	93
Midnapore ...	Midnapore ...	16,927	16,633	33,560	4	2	6	6·2	3·1	9·3	200	1	...	4	9	...	5	19	1·5	...	6·2	13·9	...	7·7	29·4	17·0	13	6	39·9	18·8	216
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	15	13	28	24·6	21·3	45·9	115	2	...	15	4	...	10	31	3·3	...	24·6	6·6	...	16·4	50·9	59·1	14	17	45·9	55·8	82
Serampore ...	Serampore ...	13,559	12,937	26,496	16	18	34	31·4	35·3	66·7	88	26	...	15	15	1	13	70	51·0	...	29·4	29·4	2·0	25·5	137·4	76·5	39	31	149·6	124·6	125
	Utterpara	3,046	2,464	5,510	3	2	5	28·3	18·9	47·2	150	3	...	2	1	...	3	9	28·3	...	18·9	9·4	...	28·3	84·9	56·6	4	5	68·3	105·5	80
Howrah ...	Howrah	53,153	37,660	90,813	24	24	48	13·7	13·7	27·5	100	26	1	20	20	...	16	83	14·9	·6	11·4	11·4	...	9·2	47·5	38·4	42	41	41·1	56·6	102
	Bali	7,836	6,979	14,815	8	5	13	28·1	17·5	45·6	160	...	...	6	3	...	5	14	...	...	21·1	10·5	...	17·5	49·1	21·1	9	5	59·7	37·3	180
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	14	2	16	26·5	3·8	30·3	700	1	...	11	...	...	1	13	1·9	...	20·8	...	...	1·9	24·6	13·2	4	9	15·7	32·9	44
	Ranaghat	4,028	4,655	8,683	2	4	6	12·0	24·0	36·0	50	...	...	...	2	...	2	4	...	...	...	12·0	...	12·0	24·0	12·0	3	1	38·7	11·2	300
	Santipore	13,708	15,979	29,687	6	4	10	10·5	7·0	17·5	150	...	...	8	...	...	...	8	...	...	14·0	...	...	...	14·0	8·7	5	3	19·0	9·8	166
Jessore ...	Jessore	4,830	3,665	8,495	2	...	2	12·2	...	12·2	No female births.	...	...	3	2	...	...	5	...	...	18·4	12·2	...	...	30·6	73·5	4	1	43·1	14·2	400
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	12	7	19	31·5	18·4	49·9	171	...	...	6	1	...	...	7	...	...	15·8	2·6	...	...	18·4	31·5	3	4	14·5	23·0	75
Darjiling ...	Darjiling	4,379	2,439	7,018	2	1	3	14·8	7·4	22·2	200	...	...	5	1	...	5	11	...	...	37·0	7·4	...	37·0	81·5	14·8	8	3	99·8	64·0	266
Dacca ...	Dacca	42,782	37,379	80,161	20	26	46	12·9	16·9	29·8	76	3	2	23	6	1	14	49	1·9	1·3	14·9	3·9	·6	9·1	31·8	29·2	30	19	36·5	26·4	157
	Narsinganj ...	7,605	4,956	12,561	5	11	16	20·7	45·5	66·2	45	7	...	1	2	...	2	12	29·0	...	4·1	8·3	...	8·3	49·7	33·1	10	2	68·4	21·0	500
Chittagong ...	Chittagong ...	13,340	8,790	22,130	3	10	13	7·0	23·5	30·5	30	...	...	3	2	...	...	5	...	...	7·0	4·7	...	...	11·7	23·5	3	2	11·7	11·8	150
Tipperah ...	Comillah	8,153	5,353	13,506	9	3	12	34·6	11·6	46·2	300	1	...	3	...	..	1	5	3·8	...	11·6	...	...	3·8	19·3	38·5	4	1	23·6	9·7	400
Patna	Patna City ...	78,762	81,475	160,237	30	13	43	9·7	4·2	13·9	230	13	...	25	14	1	9	62	4·2	...	8·1	4·5	·3	2·9	20·1	14·0	32	30	21·1	19·1	106
Gya	Gya	38,290	37,831	76,121	23	17	40	15·7	11·6	27·3	135	2	...	49	...	2	39	92	1·4	...	33·4	...	1·4	26·6	62·8	49·9	42	50	57·0	68·7	84
Shahabad ...	Arrah	20,960	22,505	43,465	11	14	25	13·2	16·7	29·9	78	...	...	13	3	...	3	19	...	...	15·6	3·6	...	3·6	22·7	28·7	5	14	12·4	32·3	35
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	12	11	23	14·6	13·4	28·0	109	1	...	20	8	2	5	36	1·2	...	24·3	9·7	2·4	6·1	43·3	24·3	23	13	51·3	34·4	176
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	34	26	60	26·7	20·5	47·2	130	5	...	15	3	...	17	40	3·2	...	11·8	2·4	...	13·4	31·5	24·6	20	20	30·8	32·2	100
Sarun	Chupra	25,116	26,554	51,670	15	13	28	15·1	13·1	28·2	115	...	...	7	2	1	8	18	...	...	7·0	2·0	1·0	8·1	18·1	18·1	10	8	20·7	15·7	125
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	19	18	37	17·2	16·3	33·5	105	...	...	9	...	...	18	27	...	...	8·1	...	...	16·3	24·4	28·1	11	16	19·3	29·9	68
Monghyr ...	Monghyr	28,154	29,366	57,520	25	15	40	22·6	13·6	36·2	166	1	...	13	10	1	12	37	·9	...	11·8	9·0	·9	10·8	33·4	38·0	19	18	35·1	31·9	105
Purneah ...	Purneah	8,463	6,553	15,016	5	1	6	17·3	3·5	20·8	500	...	...	5	...	...	1	6	...	...	17·3	...	...	3·5	20·8	24·2	4	2	24·6	15·9	200
Poori	Poori	13,247	11,537	24,784	7	7	14	14·7	14·7	29·4	100	37	2	11	8	...	14	72	77·6	4·2	23·1	16·8	...	29·4	151·1	117·5	41	31	160·9	139·7	132
	Total ...	550,986	510,588	1,061,574	331	276	607	16·2	13·5	29·7	119	134	5	304	120	9	213	785	6·6	·2	14·9	5·9	·4	10·4	38·5	32·3	417	368	39·4	37·5	113

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	23	8	...	...	...	50·5	40·5	...	...	9	2	1	...	2	3	2	4	3	5	749·1	46·1	22·3	...	33·3	19·7	15·1	47·1	63·5	175·4
Midnapore ...	Midnapore ...	...	15	4	...	...	...	30·1	28·8	...	...	...	...	1	1	1	5	3	2	3	3	...	...	13·9	17·1	16·5	35·4	28·1	27·9	75·6	85·2
Hughli ...	Hughli and Chinsurah	...	25	6	...	...	...	51·4	50·6	...	...	10	3	3	...	1	2	1	3	3	5	647·6	70·3	54·1	...	20·7	16·8	9·1	37·4	60·0	125·4
Serampore ...	Serampore ...	...	65	5	...	...	...	133·9	277·2	...	...	11	6	6	1	2	10	18	4	4	8	885·6	172·9	124·1	23·4	47·6	96·5	188·3	61·6	168·6	229·1
	Utterpara	...	8	1	...	...	...	78·1	282·6	...	...	2	1	1	...	...	1	2	...	...	2	646·9	123·5	111·6	...	...	45·2	98·0	...	...	400·0
Howrah ...	Howrah	1	72	10	...	...	27·5	54·9	25·3	...	...	12	15	3	4	3	15	9	6	3	13	302·5	140·8	24·8	31·6	21·3	34·4	24·3	26·5	28·4	180·2
	Bali	1	13	...	...	...	1,529·4	50·4	...	...	...	3	4	1	...	...	1	...	1	1	3	430·9	208·2	48·8	...	...	15·5	...	26·9	49·6	213·1
Nuddea ...	Kishnaghur ...	...	11	2	...	...	...	30·7	12·6	...	...	2	1	1	1	1	2	1	...	1	4	209·7	21·1	15·1	18·5	25·3	21·6	12·1	...	...	120·4
	Ranaghat	...	3	1	...	...	...	21·3	38·1	...	...	...	...	...	...	1	...	...	1	1	1	...	...	...	...	83·5	...	...	51·8	71·8	91·4
	Santipore	...	8	...	...	...	...	20·1	...	...	...	...	5	...	1	...	...	...	1	1	...	...	89·7	...	17·9	...	...	...	14·8	22·6	...
Jessore ...	Jessore	...	3	2	...	...	...	34·6	27·2	...	...	1	1	...	...	...	2	...	1	...	...	268·0	1·5·3	...	...	...	51·6	...	49·5	...	...
Rajshahye ...	Rampore Beauleah	...	2	5	...	...	...	10·5	26·5	...	...	...	1	1	1	...	2	...	...	...	2	...	36·7	25·0	28·9	...	25·0	...	...	...	108·0
Darjiling ...	Darjiling	7	3	...	1	...	2,275·0	34·0	...	31·5	...	2	...	...	...	...	3	3	2	...	1	859·5	...	...	...	...	78·0	166·9	150·3	...	507·7
Dacca ...	Dacca	...	5	24	...	...	...	32·3	31·7	...	...	9	4	4	1	4	7	5	2	3	10	246·6	28·2	21·0	3·5	28·5	23·8	22·3	19·4	32·9	93·3
	Narainganj ...	...	6	6	...	...	...	49·3	50·6	...	...	1	...	3	...	...	3	3	1	1	1	186·4	...	78·7	...	...	58·4	72·9	37·3	66·5	79·8
Chittagong ...	Chittagong ...	...	2	3	...	...	...	17·9	10·2	...	...	...	...	...	2	...	2	...	...	1	...	...	...	...	40·4	...	22·5	...	...	47·9	...
Tipperah ...	Comillah	...	2	3	...	...	...	17·5	21·1	...	...	2	...	...	...	...	...	...	1	...	2	350·2	...	...	...	...	...	...	33·6	...	153·4
Patna	Patna City ...	...	44	18	...	...	...	19·2	22·9	...	...	6	6	3	1	3	6	4	4	10	19	72·4	21·4	9·3	3·6	14·0	16·8	8·9	11·0	36·8	71·5
Gya ...	Gya	...	75	17	...	...	...	65·0	55·0	...	...	21	13	3	1	3	8	7	5	8	23	610·1	106·4	22·3	7·7	29·8	28·3	28·6	26·6	63·3	232·4
Shahabad ...	Arrah	...	15	4	...	...	...	25·2	16·8	...	...	3	3	2	...	1	2	...	2	...	6	121·1	35·2	20·3	...	16·2	13·2	...	22·2	...	108·2
Mozufferpore ...	Mozufferpore ...	...	22	14	...	...	...	38·1	58·3	...	...	3	6	2	...	3	4	2	4	5	7	163·4	77·2	23·1	...	51·5	24·2	14·9	41·5	80·1	149·5
Durbhanga ...	Durbhanga ...	...	27	13	...	...	...	29·0	38·5	...	...	11	5	2	1	...	5	2	3	5	6	387·4	34·2	13·4	9·4	...	19·5	9·3	21·0	59·3	97·7
Sarun	Chupra	...	15	3	...	...	...	19·7	13·1	...	...	4	...	...	...	4	1	1	3	3	2	147·4	...	...	...	59·9	5·6	6·7	25·7	37·7	30·6
Bhagulpore ...	Bhagulpore ...	...	21	6	...	...	...	27·5	18·1	...	...	8	4	...	...	2	1	2	2	3	5	348·4	38·4	...	...	24·9	4·8	11·2	16·5	36·6	72·2
Monghyr ...	Monghyr	...	32	5	...	...	...	37·2	20·7	...	...	6	5	3	1	2	4	1	2	4	10	210·1	41·8	14·7	9·1	27·5	20·1	5·8	16·3	52·3	145·0
Purneah ...	Purneah	...	4	2	...	...	...	22·7	18·4	...	...	5	...	...	...	1	...	...	...	...	...	918·7	...	...	...	52·3	...	...	...	...	...
Poori ...	Poori	...	72	...	...	...	...	152·6	...	...	...	3	3	1	1	2	3	26	24	5	4	514·9	86·8	23·2	27·7	55·9	29·5	333·6	375·6	116·5	115·2
	TOTAL ...	9	613	162	1	...	67·2	43·1	28·5	25·7	...	134	88	39	17	36	92	92	78	67	142	274·5	49·2	18·4	9·2	23·1	22·7	27·3	32·4	45·0	112·3

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

W. H. GREGG, *Dip. Publ. Health, Camb.*,

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 7th December 1889, as compared with the corresponding week of the previous year

Nature of Cargo.	Week ending Saturday, the 7th December 1889.			Week ending Saturday, the 8th December 1888.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	544	36,075	459	464	68,135	1,086
Jute	351	1,68,000	3,020	345	1,96,155	3,756
Firewood	145	91,575	1,324	138	59,550	895
Other articles	1,009	2,59,610	3,978	1,415	3,03,945	4,846
Total ...	2,049	5,55,260	8,781	2,362	6,27,785	10,583

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the four weeks ended 26th October 1889, as compared with the same period of 1888.

Staples.	1889.		1888.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Animals, living: Horses, ponies, and mules ...	No. 40	1,107	No. 269	5,137	No.	.....	No. 229	4,030
Cattle	,, 405	3,230	,, 219	2,004	,, 186	1,136	,, ...	.....
Sheep and goats	,, 3,674	3,035	,, 2,938	2,021	,, 636	1,014	,, ...	.....
Other kinds	,, ...	.....	,, ...	.....	,, ...	.....	,, ...	.....
Borax	300	199	289	206	11	.....	.....	7
Canes and rattans	81	94	129	109	.....	.....	48	15
Caoutchouc (Indian-rubber)	.....	.....	.....	.....	.....	.....	.....	.....
Chinese and Japanese ware	136	204	.....	205	.....	.....	1	1
Coal and coke, up	4,63,468	1,46,308	4,44,218	1,51,478	19,250	.....	.....	5,170
Ditto, down	20,29,441	2,72,838	20,59,001	2,88,148	.....	.....	29,560	15,310
Cotton, raw	52,960	26,835	10,291	11,589	42,669	15,246	.....	.....
Cotton, manufactured: Twist and yarn (European) ...	7,335	9,587	7,830	9,514	.....	73	495	.....
Ditto (Indian) ...	13,492	8,377	11,716	7,403	1,776	974	.....	.....
Piece-goods (European) ...	1,47,010	1,90,112	1,48,234	1,87,803	.....	2,309	1,224	.....
Ditto (Indian)	35,151	26,163	32,711	21,904	2,440	4,202	.....	.....
Drugs and Medicines: Asafœtida	240	160	182	123	58	37	.....	.....
Other sorts, not intoxicating...	1,540	1,680	1,436	1,881	104	.....	.....	201
Intoxicating drugs (other than opium, *i.e.*, arsenic, bhang, ganja, and charas, &c.)	350	256	535	447	.....	.....	205	191
Dyeing Materials: Indigo	10,753	27,429	3,383	5,763	7,370	21,666	.....	.....
Madder or manjit	.....	.....	.....	.....	.....	.....	.....	.....
Safflower	106	104	307	258	.....	.....	.....	.....
Turmeric	6,301	3,810	4,983	2,923	1,318	887	201	154
Other kinds	3,585	2,971	5,012	2,349	.....	622	1,457	.....
Earthenware and porcelain	453	759	454	803	.....	.....	1	44
Fibrous Products: Jute, raw	99,185	9,789	1,68,165	24,036	.....	.....	68,980	14,247
Do., manufactured (gunny bags and cloths).	51,551	29,978	63,838	31,788	.....	.....	12,287	1,819
Other fibres, raw	7,170	2,375	9,417	2,294	.....	81	2,247	.....
Ditto, manufactured ...	1,029	394	938	313	91	81	.....	.....
Fruits & Nuts: Cocoanuts	4,277	1,925	6,832	3,439	.....	.....	2,555	1,514
All other kinds	25,157	22,189	22,973	22,649	2,184	140	.....	.....
Grain & Pulses: Wheat	2,12,507	68,870	5,19,587	83,660	.....	.....	3,06,680	14,790
Gram and pulses...	2,13,457	69,379	2,15,107	53,379	.....	16,300	1,650	.....
Rice, husked	3,35,899	52,456	5,60,449	1,17,036	.....	.....	2,24,550	64,580
Do., unhusked	94,666	16,572	1,99,326	17,012	.....	.....	14,660	449
Other rain and spring crops ...	1,19,661	22,205	1,61,181	20,975	.....	1,230	41,520	.....
Government stores	14,456	26,502	18,060	25,300	.....	.....	3,604	4,798
Gums and resins	3,445	2,262	3,262	1,650	183	612	.....	.....
Hides & Skins: Hides of cattle	26,455	13,220	25,642	14,089	.....	.....	187	869
Skins of sheep, goats, and small animals.	17,661	8,109	20,542	9,986	.....	.....	2,881	1,877
Horns	774	398	897	524	.....	.....	123	126
Lac: Lac, dye	449	297	554	378	.....	.....	105	81
Do., shell	10,420	8,939	11,891	9,855	.....	.....	1,471	916
Do., stick and other kinds ...	17,079	5,442	20,333	6,101	.....	.....	3,263	659
Leather: Leather, unmanufactured ...	2,967	3,738	2,221	3,776	46	.....	.....	38
Ditto, manufactured ...	4,219	5,800	4,552	6,316	.....	.....	333	516
Liquors	13,463	19,397	13,434	11,652	29	.....	.....	1,255
Mats	249	185	261	201	.....	.....	12	16
Minerals	1,22,199	20,597	1,17,466	18,241	4,733	2,266	.....	.....
Metals and Manufactures of: Brass and copper	35,182	15,444	17,311	10,079	7,871	5,365	.....	.....
Iron	82,413	43,334	87,013	49,162	.....	.....	4,600	5,828
Other metals	4,823	3,418	4,724	3,378	99	40	.....	.....
Oils	75,921	42,108	41,963	20,412	33,958	21,696	.....	.....
Opium	872	1,162	682	1,211	190	.....	.....	49
Paints and colours...	3,615	1,516	3,989	2,127	.....	.....	374	611
Provisions ... Ghee	24,715	19,471	24,988	14,804	.....	4,667	273	.....
Other kinds	6,994	5,138	6,061	5,356	933	.....	.....	218
Railway materials, Construction Account ...	5,893	884	44,328	1,546	.....	.....	38,435	632
Ditto ditto, Foreign	1,57,642	27,424	1,38,020	36,470	19,622	40,934	.....	.....
Salt	4,99,075	22,707	3,92,296	86,631	1,06,479	6,076	.....	.....
Saltpetre, &c. Saltpetre	40,682	16,422	61,169	25,841	.....	.....	20,487	7,419
Other saline substances ...	9,785	3,208	18,692	4,584	.....	.....	8,907	1,376
Seeds: Oil-seeds. Linseed	1,99,329	65,666	5,06,579	1,42,116	.....	.....	3,07,250	76,460
Mustard and rape	83,025	17,680	1,58,195	41,089	.....	.....	76,170	23,409
Til or ginjelly	1,367	457	1,167	437	200	20	.....	.....
Other oilseeds	91,666	27,896	89,936	25,670	1,730	2,220	.....	.....
Other seeds. Indigo seed	2,329	1,117	4,449	1,727	.....	.....	2,120	610
Ten seed	.....	.....	.....	.....	.....	.....	.....	.....
Other kinds	29,871	11,966	14,831	5,946	15,040	5,960	.....	.....
Silk: Silk, raw	1,337	1,247	1,768	1,463	.....	.....	431	216
Do., manufactured (European)	.....	.....	.....	.....	.....	.....	.....	.....
Do., ditto (Indian)...	501	360	453	386	48	.....	.....	26
Spices	7,776	6,091	8,764	7,068	.....	.....	988	977
Stone and marble...	1,15,367	13,062	73,746	9,547	41,523	3,515	.....	.....
Sugar: Sugar, refined	85,560	24,760	1,03,774	26,092	.....	.....	18,214	1,242
Do., unrefined	41,968	8,451	35,081	7,237	6,887	1,224	.....	.....
Tea: Tea, Indian	4,404	5,157	5,205	6,238	.....	.....	801	1,081
Do., Foreign	19	11	36	35	.....	.....	17	24
Tobacco	31,340	12,877	25,553	8,995	5,987	3,882	.....	.....
Wood: Timber	19,091	3,525	22,786	5,092	.....	.....	3,695	1,267
Firewood	7,925	501	6,886	472	1,039	29	.....	.....
Wool: Wool, raw	648	572	2,621	1,541	.....	.....	1,973	969
Do., manufactured (European).	.....	.....	.....	.....	.....	.....	.....	.....
Wool, manufactured (Indian)	4,007	4,286	4,100	4,535	.....	.....	93	49
Shawls	6	3	.....	.....	6	3	.....	.....
All other articles of merchandise	1,99,581	1,45,178	1,88,600	1,31,133	10,972	14,043	.....	.....
Bones	18,625	5,113	22,508	6,832	.....	.....	3,973	1,719
Potatoes	46,456	18,093	40,113	13,422	6,343	4,671	.....	.....
Total ...	61,99,678	18,17,678	60,08,682	18,91,655	3,41,187	1,51,841	12,02,191	2,57,818

General remarks on the fluctuation of principal staples carried over the East Indian Railway during month ended 26th October 1889.

INCREASES.

Cotton.—The increase was chiefly in despatches from Cawnpore and stations above to Howrah and Bombay, and was due to earlier crops than in 1888.

Piece-goods.—This increase occurred principally in despatches from Howrah, owing to good demand on account of the native festivals.

Indigo.—Due to the indigo season having fallen earlier in 1889 than in 1888. The increase was chiefly in despatches from stations in the North-West Provinces.

Brass and Brassware : Copper and Copperware.—The increase under these heads was almost entirely in despatches of the unmanufactured articles from Howrah, and of utensils from Mirzapur.

Oil.—The improvement was in despatches of kerosine-oil from Howrah.

Potatoes.—This was in receipts from the Assam-Behar State Railway of Darjeeling seed potatoes, in despatches from Patna and from Umballa Cantonment to Howrah, Allahabad, Cawnpore, and other stations.

Ghee.—There was a decrease in the weight carried attended with an increase in earnings owing to the Calcutta ghee supply having been drawn from the North-West Provinces more largely than during the corresponding period of 1888.

Gram and Pulses : Other Rain and Spring Crops.—There was a decrease in the weight carried, but an increase in earnings, due to gram and dall having been in good demand at Calcutta and being procured from the North-Western Railway *vid* Ghaziabad; also from Shikohabad, Cawnpore, and other long-distance stations. In the case of "Other Rain and Spring Crops," the increased earnings were due principally to long-distance despatches from Delhi and the Rewari-Ferozepore section of the Bombay, Baroda and Central India Railway. There was a decrease in the short-distance traffic generally.

Railway material, Foreign.—The increase was principally in consignments of permanent-way material from Howrah to Umballa for the Delhi-Umballa-Kalka Railway.

Salt.—The increase in weight carried was principally in salt crossing this system at Cawnpore from the Bombay, Baroda and Central India Railway to the Oudh and Rohilkhund Railway, and that in earnings in salt received *vid* Agra, Bombay, Baroda and Central India Railway for our own stations.

Stone.—The increase was principally in road metal from Asansol and Pakur for the Calcutta and other municipalities.

DECREASES.

Coal and coke.—In the upwards traffic, there was an increase in weight carried, but the traffic being over shorter distances than in 1888, the earnings fell off. The falling off in downwards traffic was principally in despatches to Sheoraphuli, Bhadreswar Ghât, and to the Eastern Bengal State Railway *vid* Naihati.

Jute, raw.—The decrease was principally in consignments from the Assam-Behar State Railway *vid* Sahebgunge: the jute crop in the Purneah district was late, and the outturn less than in 1888, owing to floods.

Gunny.—The decrease is in continuation of that reported for September 1889, and is in consequence of the poor traffic being carried in wheat and seeds.

Wheat.—Due to want of demand for Indian wheat in the Home market, and to poor supplies.

Rice (husked and unhusked).—Due to there having been an exceptional demand for rice at up-country stations last year.

Government stores.—Ordnance stores were despatched last year in considerable quantities to Peshawar, Quetta, and other stations.

Iron.—The decrease was due to a heavy falling off in despatches of sugar mills from Delhi and Delhi-Shahdara, of old shot and shell from Agra to Delhi, and of machinery from the Port Commissioners' Tramway to our stations.

Saltpetre.—This was principally in consignments from the Tirhoot State and Bengal and North-Western Railways.

Seeds.—The decrease was chiefly in the despatches of linseed and mustard seed to Howrah, owing to poor stocks.

Sugar and jaggree.—The decrease was due principally to a falling off in the cross traffic from the Oudh and Rohilkund Railway *vid* Aligarh.

N. ST. L. CARTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, *7th December* 1889.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 30th November 1889, *on* 1,525½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	243,348	3,02,115 6 0	23,89,726 30	5,84,605 3 0	19,848 15 6	9,06,569 8 6	69,565	86,496½	156,061½
Or per mile of railway ...	.....	198 0 8	.....	383 3 7	13 0 2	594 4 5	.....	.....	.....
For previous 21 weeks of half-year	4,984,083	53,81,483 11 0	4,42,72,301 0	98,31,951 15 6	3,52,927 11 2	1,55,66,363 5 8	1,373,738	1,681,094½	3,054,832½
Total for 22 weeks ...	5,227,431	56,83,599 1 0	4,66,62,117 30	1,04,16,557 2 6	3,72,776 10 8	1,64,72,932 14 2	1,443,303	1,767,591½	3,210,894½
COMPARISON.									
Total for corresponding week of previous year	237,135	3,08,610 14 2	23,74,868 20	6,49,046 1 5	18,023 2 1	9,75,680 1 6	66,703	89,694	156,397
Per mile of railway corresponding week of previous year	.....	202 4 10	.....	425 7 6	11 13 0	639 9 3	.....	.....	.....
Total to corresponding date of previous year	5,149,068	56,81,561 7 2	6,15,87,042 10	1,06,04,784 1 1	3,82,489 8 5	1,66,68,835 0 8	1,427,709	1,769,987	3,197,746

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23*rd July* 1883.

Receipts for week ending 1st December 1888.			Receipts for week ending 30th November 1889.			Total receipts from 1st April 1888 to 1st December 1888.			Total receipts from 1st April 1889 to 30th November 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,525½	9,75,680	640	1,525½	9,06,570	594	1,525½	2,85,93,540	536	1,525½	2,84,99,688	534	.....	93,852

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 30th November 1889, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,253	6,669 0 0	34,449 10	2,284 14 0	35 0 0	8,988 14 0	1,868	1,060	2,928
Or per mile of railway	214	116 9 5	602 20	39 15 2	0 9 9	157 2 4	.....	.....	.....
For previous 21 weeks of half-year	283,396	1,57,327 2 0	8,39,805 30	46,517 3 0	883 4 3	2,04,727 9 3	32,203	14,931	47,134
Total for 22 weeks ...	295,649	1,63,996 2 0	8,74,255 0	48,802 1 0	918 4 3	2,13,716 7 3	34,071	15,991	50,062
Comparison									
Total for corresponding week of previous year	2,914½	4,920 11 7	34,606 0	2,492 9 0	30 2 0	7,443 6 7	1,757	637	2,394
Per mile of railway corresponding week of previous year ...	173¼	86 0 5	605 0	43 9 3	0 8 5	130 2 1	.....	.....	.....
Total to corresponding date of previous year	298,095	1,65,079 2 2	2,12,646 30	52,457 3 0	1,275 6 9	2,18,811 11 11	40,284	15,036	55,320

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 1st December 1888.			Receipts for week ending 30th November 1889.			Total receipts from 1st April 1888 to 1st December 1888.			Total receipts from 1st April 1889 to 30th November 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	7,443	130	57½	8,989	157	57½	3,33,736	166	57½	3,27,716	164	.....	5,020

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ended 30th November 1889, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week... ...	19,963	4,825 10 0	12,717 20	454 2 0	8 10 0	5,288 6 0	900	68	968
Or per mile of railway	.....	216 14 1	.....	20 6 7	0 6 3	237 10 11	.....	.....	.....
For previous 21 weeks of half-year	365,534	89,721 4 0	1,55,020 10	5,081 3 0	104 14 6	94,907 5 6	19,349	1,389	20,738
Total for 22 weeks ...	385,497	94,546 14 0	1,67,737 30	5,535 5 0	113 8 6	1,00,195 11 6	20,249	1,457	21,706
Comparison.									
Total for corresponding week of previous year	18,037½	4,666 9 10	8,368 20	351 1 0	5 12 0	5,023 6 10	908	60	968
Per mile of railway corresponding week of previous year ...	.....	209 11 9	.....	15 12 5	0 4 2	225 12 4	.....	.....	.....
Total to corresponding date of previous year	395,236	97,650 11 9	1,08,333 10	4,238 0 0	145 11 9	1,02,034 7 6	20,341	1,043	21,384

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for week ending 1st December 1888.			Receipts for week ending 30th November 1889.			Total receipts from 1st April 1888 to 1st December 1888.			Total receipts from 1st April 1889 to 30th November 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	5,023	226	22¼	5,288	238	22¼	1,88,401	242	22¼	1,82,829	235	.....	5,572

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 23rd November 1889, on 747 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles Ru		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Tot
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	127,590	67,390 0 0	6,29,150 0	1,39,370 0 0	14,300 0 0	2,71,060 0 0	21,651	35,774	57
Or per mile of railway	171	90 0 0	842 0	253 0 0	†1 0 0	344 0 0	.....	.....	...
For previous 20 weeks of half-year	2,760,124	12,76,903 0 0	1,24,26,670 0	31,23,636 0 0	3,20,601 0 0	*47,21,140 0 0	444,395	560,582	1,004
Total for 21 weeks ...	2,887,714	13,44,293 0 0	1,30,55,820 0	33,13,006 0 0	3,34,901 0 0	49,92,200 0 0	466,046	596,356	1,062
COMPARISON.									
Total for corresponding week of previous year	164,353	81,020 0 0	6,03,236 0	1,65,925 0 0	17,282 0 0	2,63,327 0 0	20,404	30,863	51
Per mile of railway corresponding period of previous year ...	244	120 0 0	896 0	245 0 0	†1 0 0	366 0 0	.....	.....	...
Total to corresponding date of previous year	2,824,381	12,72,659 0 0	1,30,67,133 0	33,28,118 0 0	3,43,324 0 0	49,44,101 0 0	434,270	642,959	1,076

* Audited up to week ending 19th October 1889.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 24th November 1888.			Receipts for week ending 23rd November 1889.			Total receipts from 1st April 1888 to 24th November 1888.			Total receipts from 1st April 1889 to 23rd November 1889.			Total increase in 1889-90.	Total decrease 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
673	2,65,327	391	747	2,71,060	363	673	68,99,572	282	719	*71,27,642	292	2,28,070	...

* Audited up to week ending 19th October 1889.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 23rd November 1889, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles Ru		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	To
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,580	9,200 0 0	30,110 0	2,010 0 0	40 0 0	11,250 0 0	3,606	2,066	
Or per mile of railway	189	74 0 0	241 0	16 0 0	.....	90 0 0	.....	.....	...
For previous 20 weeks of half-year	543,223	1,89,462 0 0	11,98,777 0	1,11,312 0 0	3,480 0 0	3,04,254 0 0	71,663	46,108	11
Total for 21 weeks ...	566,803	1,98,662 0 0	12,28,887 0	1,13,322 0 0	3,520 0 0	3,15,504 0 0	75,269	48,174	12
COMPARISON.									
Total for corresponding week of previous year	35,170	12,338 0 0	53,954 0	4,594 0 0	41 0 0	16,973 0 0	3,692	2,274	
Per mile of railway corresponding period of previous year ...	281	99 0 0	432 0	37 0 0	.....	136 0 0	.....	.....	...
Total to corresponding date of previous year	558,999	1,83,913 0 0	12,71,767 0	1,29,967 0 0	1,648 0 0	3,15,528 0 0	75,894	53,517	12

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 24th November 1888.			Receipts for week ending 23rd November 1889.			Total receipts from 1st April 1888 to 24th November 1888.			Total receipts from 1st April 1889 to 23rd November 1889.			Total increase in 1889-90.	Tot decrea 1889-
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	R
125	16,973	136	125	11,250	90	125	4,77,350	112	125	*4,95,352	117	18,022	...

* Audited up to week ending 19th October 1889.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd November 1889, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	16,280	5,690 0 0	34,780 0	3,520 0 0	280 0 0	9,490 0 0	2,546	900	3,446
Or per mile of railway	189	66 0 0	404 0	41 0 0	3 0 0	110 0 0	.....	.....	.....
For previous 20 weeks of half-year	279,390	96,523 0 0	4,79,220 0	42,919 0 0	4,838 0 0	*1,44,280 0 0	49,917	13,389	63,306
Total for 21 weeks ...	295,670	1,02,213 0 0	5,14,000 0	46,439 0 0	5,118 0 0	1,53,770 0 0	52,463	14,289	66,752
Comparison.									
Total for corresponding week of previous year	16,631	6,016 0 0	21,361 0	2,133 0 0	109 0 0	8,258 0 0	2,502	642	3,144
Per mile of railway corresponding period of previous year	193	70 0 0	248 0	25 0 0	1 0 0	96 0 0	.....	.....	.....
Total to corresponding date of previous year	287,845	90,945 0 0	3,06,849 0	23,836 0 0	3,878 0 0	1,18,709 0 0	52,724	13,942	66,666

* Audited up to week ending 19th October 1889.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 24th November 1888.			Receipts for week ending 23rd November 1889.			Total receipts from 1st April 1888 to 24th November 1888.			Total receipts from 1st April 1889 to 23rd November 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	8,258	96	86	9,490	110	86	1,83,700	63	86	*2,28,937	78	45,237	.....

* Audited up to week ending 19th October 1889.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd November 1889, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,074	1,125 0 0	8,345 0	556 0 0	19 0 0	1,700 0 0	509	254	763
Or per mile of railway	113	41 0 0	306 0	20 0 0	1 0 0	62 0 0	.....	.....	.....
For previous 19 weeks of half-year	61,215	22,300 0 0	1,69,987 0	11,230 0 0	1,396 0 0	34,926 0 0	10,107	7,824	17,931
Total for 20 weeks ...	64,289	23,425 0 0	1,78,332 0	11,786 0 0	1,415 0 0	36,626 0 0	10,616	8,078	18,694
Comparison.									
Total for corresponding week of previous year	3,398	1,307 0 0	13,080 0	861 0 0	66 0 0	2,234 0 0	509	418	927
Per mile of railway corresponding week of previous year ...	125	48 0 0	480 0	32 0 0	2 0 0	82 0 0	.....	.....	.....
Total to corresponding date of previous year	64,045	22,679 0 0	2,35,890 0	13,799 0 0	2,040 0 0	38,518 0 0	10,689	8,291	18,980

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 24th November 1888.			Receipts for week ending 23rd November 1889.			Total receipts from 1st April 1888 to 24th November 1888.			Total receipts from 1st April 1889 to 23rd November 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	2,234	82	27¼	1,700	62	27¼	64,046	72	27¼	62,445	69	.....	2,501

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 30th November 1889, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	3,796	1,161 0 0	13,703 0	723 0 0	15 0 0	1,899 0 0	509	254	763
Or per mile of railway	139	43 0 0	503 0	26 0 0	1 0 0	70 0 0	.....	.....	.....
For previous 20 weeks of half-year	64,374	23,477 0 0	1,78,423 0	11,799 8 0	1,459 0 0	36,735 0 0	10,616	8,078	18,694
Total for 21 weeks ...	68,174	24,638 0 0	1,92,126 0	12,522 0 0	1,474 0 0	38,634 0 0	11,125	8,332	19,457
COMPARISON.									
Total for corresponding week of previous year	3,017	1,108 0 0	18,764 0	1,124 0 0	10 0 0	2,242 0 0	509	472	981
Per mile of railway corresponding week of previous year ...	111	41 0 0	689 0	41 0 0	.....	82 0 0	.....	.....	.....
Total to corresponding date of previous year	67,062	23,787 0 0	2,54,654 0	14,923 0 0	2,050 0 0	40,760 0 0	11,198	8,763	19,961

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 1st December 1888.			Receipts for week ending 30th November 1889.			Total receipts from 1st April 1888 to 1st December 1888.			Total receipts from 1st April 1889 to 30th November 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27¼	2,242	82	27¼	1,899	70	27¼	67,188	72	27¼	64,453	70	.....	2,735

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 30th November 1889, on 273 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles ru		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Tot
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	40,547	15,865 0 0	2,08,363 0	24,992 0 0	4,770 0 0	45,567 0 0	5,008	6,084	11,
Or per mile of railway	149	58 0 0	763 0	92 0 0	2 0 0	152 0 0*	.....	.....	...
For previous 20 weeks of half-year	831,981	3,01,950 0 0	34,42,208 0	3,31,510 0 0	79,490 0 0	7,12,950 0 0	109,896	109,931	219,
Total for 21 weeks ...	872,528	3,17,735 0 0	36,50,571 0	3,56,502 0 0	84,260 0 0	7,58,517 0 0	114,904	116,015	230,
COMPARISON.									
Total for corresponding week of previous year	38,227	15,048 0 0	1,30,257 0	15,374 0 0	3,863 0 0	34,285 0 0	5,080	5,661	10,
Per mile of railway corresponding week of previous year ...	140	55 0 0	510 0	56 0 0	1 0 0	112 0 0*	.....	.....	...
Total to corresponding date of previous year	865,215	2,95,723 0 0	28,77,818 0	2,47,390 0 0	60,649 0 0	6,03,762 0 0	114,268	111,841	226,

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 1st December 1888.			Receipts for week ending 30th November 1889.			Total receipts from 1st April 1888 to 1st December 1888.			Total receipts from 1st April 1889 to 30th November 1889.			Total increase in 1889-90.	Tota decreas 1889-9
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs
273	34,285	126	273	45,567	167	262·54	11,01,402	123	273	12,82,885	138	1,81,483	.....

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[REGISTERED No. 29.]

No. 51 of 1889.

SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, DECEMBER 18, 1889.

OFFICIAL PAPERS.

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REVENUE DEPARTMENT—(FAMINE).

The 17th December 1889.—The following is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,
Secretary to the Govt. of Bengal.

EFFECTS OF THE RECENT RAINFALL AND STORM IN THE DISTRICTS OF THE ORISSA DIVISION.

No. 2205R, dated Cuttack, the 9th December 1889.

From—J. A. HOPKINS, Esq., Officiating Commissioner of the Orissa Division,
To—The Secretary to the Government of Bengal, Revenue Department.

WITH reference to your Famine Circular No. 35 Fam., dated the 25th ultimo, I have the honour to state that, before the receipt of the orders quoted, I had asked the Collectors of this Division to submit full and detailed report on the character of the recent rainfall and storm, the nature of the damage done, if any had been done, and what effect the fall would have on the general condition of the people during the year. Replies from the district officers to that call have now been received, and I beg to submit the following summary of their reports for the information of Government.

2. I beg to append a statement showing the rainfall from the 13th to the 20th November at all the principal stations in the districts of this Division. It will be seen that the fall was heaviest in Pooree.

CUTTACK.

3. The fall in Cuttack was showery from the 14th to the 16th, and continuous from the 17th to the 20th November. It was general, but heaviest in Kendrapara sub-division. As regards the damage to crops, the Collector, writing on the 26th November, reported that of the *rabi* crops the *biri*, *mung*, and *zaba* had suffered considerable damage, 10 to 12 annas being lost, while *kulthi* had somewhat benefitted. Of these crops, however, there was very little in the district. As to paddy, the Collector estimated the loss of *laghu sarad* at about 4 annas, but in regard to *guru sarad*, which was just coming into ear, the loss, it was apprehended, would be from 6 to 8 annas. Mr. Maguire added in conclusion :—

"It is my opinion that the effect of this late storm and rain will be to reduce what would have been an exceptionally good year to about the level of an average year. I should before this have estimated the outturn of the *saradh* crop at 19 to 20 annas : now I should estimate it at about 15."

4. In the last report of weather and crops, dated the 30th ultimo, the Collector estimates the damage to the *laghu sarad* at 2 annas, to the *guru sarad* at 4 annas, and to the *rabi* crop at 8 annas.

In my opinion the Collector has overestimated the damage, for a large portion of the *biri* and *mung* was ripening: it had flowered. The *rabi* also, which had flowered, could not have been seriously damaged. The damage to the rice crop may be accepted as 2 annas. The *rabi* as 5 or 6 annas.

POOREE.

5. The rainfall on the 14th and 15th was heavier, 3·65 inches having been recorded at Pooree. On the 16th the weather cleared up, but on the 17th the sky again became overcast, and from the 17th to the 20th November there was a continuous downpour accompanied by strong gusts of wind from the north. The Collector gives the following account of the storm and rains, and their effect on the condition of the people:—

"From the telegrams sent from the Meteorological Department, it appears that a small cyclone was formed in the centre of the Bay opposite the Coromandel coast on or about 13th November. It was very diffused at first, but as it approached the coast it concentrated, and at last burst on the shore with great fury. The centre of the cyclone passed Gopalpur in the Ganjam district at 4 A.M. of the 20th instant. The velocity of the wind, as might be expected, was greater in the Chilka tracts than at Pooree, greater at Pooree than at Khorda, and greater on the seashore than in inland. The waves of the sea rose 15 to 20 feet high, and at times the roar was deafening. The wind forced the sea water into an old channel called *Banki Mohan* in the town. The water of the Chilka also rose very high and submerged the riparian fields. In some places in Bajrakote the people had to quit their houses, leaving everything behind In one village called Paikerpur in pergunnah Bajrakote all the inhabitants fled to Porole in the Ganjam district. The private embankments in Malud, Bajrakote and Paricood have been partially washed away and the fields submerged. Here the storm seems to have been heaviest.

"As soon as the storm abated, I paid a visit to the town and took steps to alleviate the sufferings of the inhabitants as far as possible. All the pits and the low lands were covered with water, and in my presence I had some temporary drains cut to pass out the surplus water. I also directed to cut a public embankment in the village of Bhingara to drain off the waters from the fields, reporting my action to the Executive Engineer. Owing to interruption of all communication for two days, no mofussil carts which supply the town with rice came, and the grain merchants were loath to open their stores. On the 19th rice was procurable with much difficulty, but the unwillingness of the merchants to open their stores was at last overcome, and the price of rice became almost normal two or three days after the storm." The injury to trees has not been inconsiderable, but the damage done to roofs and mud walls of houses has not been serious. Some lives were lost in the Chilka tracts and in the Khorda sub-division, but the loss is inconsiderable. The loss of cattle on the Chilka tracts and on the seashore generally has been heavy. As regards damage to crops, Mr Bose estimated the loss at about one anna both

in the *laghu* and *guru sarad*, but later reports estimate it at 2 annas on the average except in the South Chilka tracts, where it is much heavier. *Rabi* crops have suffered heavily. I have asked the Collector to submit a full and detailed report of the damage done to the crops in the Chilka tracts It is premature to estimate the damage of crops which were almost ripe. It is clear that the loss has not been serious except in the South Chilka tracts.

BALASORE.

6. The Collector says that there seems to have been two distinct storms—one beginning at Chandbally on the 13th and not reaching Balasore till the 14th, and the other of the 18th, 19th and 20th. The first storm was accompanied by little or no wind in the Sudder sub-division, though it blew hard in Bhudruck. The second came with more wind in the Sudder, and with very strong wind at Bhudruck and Chandbally, especially about midnight of the 19th—20th November. The rainfall was general throughout the whole district, though heaviest in the south-east. As regards the damage done to the paddy crop, the Collector estimates it at $\frac{4}{16}$ths round Chandbally, $\frac{3}{7}$ths in the rest of the Bhudruck sub-division, and $\frac{1}{16}$th in the Sudder sub-division. In Bhudruck and Chandbally the loss merely reduces a bumper crop to somewhat below an average crop. In the Sudder it makes a poor crop still poorer. Mr. Cornish concludes his report with the following remarks:—"Its effects are, however, most apparent in the low lands which had hitherto suffered least from the excessive rainfall of the year, and I do not think that it seriously increases our anxieties regarding the high land tracts of Sora and Balasore thannahs, where the crops are scantiest and scarcity most imminent. On the contrary, it has benefitted them by filling the tanks." The *rabi* crop (such as it is) has no doubt suffered, but that is not a very serious matter in this district.

It appears that some damage has been done throughout the Division, but I am not inclined to attach much importance to the estimates of loss, for a large portion of the rice crop was ready for the sickle: some had been gathered: such crops could not have been materially damaged: whilst the unripe paddy, of which the grain was in the course of development, would be improved rather than damaged. The paddy in flower was of course damaged. but of this there could not have been much. On the subject of the *rabi* crops, the chief damage sustained was in the oilseeds: mustard had been just sowed, and seed can be sowed again. *Rasi* or *teel* had to a great extent flowered and passed beyond the power of damage. *Kulthi* was improved: it is, however, a question to what extent pulses such as *biri*, *mung* and *arhar* have been damaged. It is said that the two first have been damaged in this way, and the almost ripe crops have been thrashed out by the rain, whilst the flowering crops have lost their productiveness; no reports have been received as to the intermediate stage. These crops are not extensively grown. Wheat and grain have not been damaged, but *arhar* has been greatly damaged by the wind and rain combined.

Statement showing the rainfall in the districts of the Orissa Division from the 13th to 20th November 1889.

District.	Stations.	November 1889.							
		13th.	14th.	15th.	16th.	17th.	18th.	19th.	20th.
Cuttack ...	Suddar	...	·65	2·12	·65	...	·95	1·12	5·20
	Jajepur	...	·86	1·87	1·21	...	...	·46	4·04
	Kendraspara	...	·66	·90	·96	...	·17	1·04	5·50
	Banki	...	·25	·79	...	...	·05	1·20	3·57
		For 14th and 15th.				For 4 days together.			
Pooree ...	Pooree	3·65				13·23			
	Pipply	...	...	...	...	...	12·30		...
	Gope	...	...	...	...	...	12·24		...
	Khorda	...	...	...	...	...	9·86		...
	Banpur	...	...	...	...	...	10·93		...
Balasore	Jellasore	...	...	1·30	·80	...	...	·20	1·91
	Balasore	...	·19	1·72	1·15	...	...	·42	2·39
	Bhudruck	...	·21	2·04	2·16	...	...	1·40	2·76
	Chandbally	1·40	·69	3·30	...	...	·96	3·40	·30

J. A. Hopkins,
Commissioner.

THE following report is published for general information.

By order of the Lieutenant-Governor of Bengal.

P. NOLAN,

The 17th December 1889. *Secretary to the Government of Bengal.*

METEOROLOGICAL SUMMARY OF THE MONSOON PERIOD OF 1889.

THE following statement is intended to give a very brief history of the more important features which have characterised the south-west monsoon period and the preceding months of 1889 in Bengal.

The weather conditions of the first-half of January call for practically no comment, as they were of normal north-east monsoon character. At this time a small disturbance travelled along the line of the hills in a south-easterly direction, giving fairly general rain to Behar, North Bengal, and parts of East Bengal. A second feeble depression, which advanced from Central India, again gave rain to these districts and to Chutia Nagpur on the 24th, but the most important rainfall in January was brought by the passage of a decided barometric depression from Northern India on the 30th and 31st of the month, which gave heavy rain to Behar and North Bengal, and moderate rain to all other districts except Orissa. Rainfall was therefore largely above the normal in North Bengal and Behar, moderately above it in South-West Bengal and Chutia Nagpur, and slightly below it in East Bengal, while Orissa was almost rainless, and the amount received was not more than about a sixth of the ordinary fall. During the month also, notwithstanding the occurrence of the four depressions, the mean pressure was distinctly above the normal, the excess averaging about 0·017 inch. The temperature variations during this month were considerable, and an average excess of more than two degrees above the normal was registered. Cloud proportion and humidity were also decidedly above the normal for the greater part of January.

During the second and third weeks of February two important barometric depressions passed over Bengal, and again towards the end of the month, weather became unsettled in consequence of a depression which existed in Sind and Rajputana, but which did not pass over Bengal. With these exceptions conditions were of the usual cold-weather type in February. Considerable quantities of rain fell generally over the province during these periods of disturbance and the rainfall of February was largely above the normal in Behar and North Bengal, and moderately above it in South-West Bengal, Chutia Nagpur, and Orissa, while, on the other hand it was distinctly below it in East Bengal. Pressure continued in excess of the normal also in February, the mean excess being 0·03 inch. The variations of temperature were again large, and the mean of the whole month for the province was about one degree in excess of the normal. Humidity was also rather higher than usual, but cloud proportion was below the normal except in Behar.

During March weather was unusually fine and settled, and there were only two very brief periods of disturbance, one at the commencement, and the other on the 21st and 22nd, which gave rise to a few unimportant local storms or nor'-westers. The rainfall for March was consequently in defect in all districts, and was, as a general rule, not more than about a fifth of the usual amount. Both pressure and temperature, however, continued to be in excess, and the barometer stood about a twentieth of an inch higher than usual, while temperature was nearly two degrees in excess. In March also the normal rapid increase in temperature was even more pronounced than usual, and a mean daily temperature of nearly 80° was registered for the whole province, which was between eleven and twelve degrees higher than the mean temperature for February.

In April hot weather conditions of somewhat unusual severity continued for the greater part of the month, and there were only four extremely brief periods of disturbance, during which a few local storms with rain occurred, and between these periods high pressure and high temperature obtained in all districts, particularly towards the end of the month. Very few of these local storms were of any marked intensity, and most of them were quite unimportant. One, however, which occurred on April 15th in the Rajshahye district, appears

to have been of almost tornado violence. The excess pressure in this month was not so large as in previous months, and equalled only about two hundredths of an inch. Temperature, as stated above, was excessive, and the mean for the whole month was from two to two and-a-half degrees above the normal in almost all districts. The rainfall was again very largely in defect in all districts except Chutia Nagpur, which received a little more than the usual fall.

In May again the periods of disturbed conditions during which local storms occurred were few. In East Bengal some nor'-westers with rain occurred in the first few days of the month, but these did not extend to other districts. A more general period of disturbance occurred in the middle of the month, when rain became fairly well distributed, but the most important series of disturbances took place between the 20th and 26th, when rain showers were numerous over the whole province. Rainfall was therefore very largely in defect of the normal in all districts, and indeed the general rainfall of the whole province scarcely exceeded half the normal fall. Pressure during this month had become almost normal for the first time during the year, though there was still a slight general excess of about a hundredth of an inch. Temperature was again excessive, and at certain times was very largely above the normal, and for the whole month the average mean temperature of the province was between three and four degrees in excess of the normal.

Up, therefore, to the end of May the general conditions in the province had been characterised by high pressure and decidedly high temperature, and while during January and February rainfall had been decidedly abundant, during March, April, and May, the falls were largely in defect of the normal. In the Bay of Bengal weather conditions had continued fairly normal throughout the first four months of the year, and in the south of the Bay no strong advance of south-west monsoon winds had been noticed, until about the 19th of May, when, from that date up to the 23rd, rather strong winds prevailed at the Ceylon stations. The advance certainly progressed as far as the centre of the Bay, and on the 22nd a cyclonic whirl commenced to form near the Andaman Islands. The small whirl, however, did not develop into a storm, but passed over the Gulf of Martaban into Burma, where it initiated the rainy season. From the 23rd to nearly the end of May the monsoon winds blowing in the south of the Bay were only of moderate force, but on the 31st a second and very much stronger advance of monsoon winds made itself felt at the Ceylon stations, and this continued for the first week of June, when the current must have advanced well into the north of the Bay. In front of this current about June 8th, a feeble cyclonic whirl, or perhaps two separate whirls, commenced to form off the Orissa and Ganjam coasts. One small centre reached the land on the 10th, and a second on the 11th, and these brought up with them a general wave of moisture-laden winds, which caused the rainfall to spread over the whole province. This advance may therefore be said to have caused the rains to commence in Bengal, and general rainfall was received in Orissa and South-West Bengal from about the 10th of June, and in North and South Behar and Chutia Nagpur from about the 11th. As usual also the general rainfall in East and North Bengal commenced earlier than in the other districts, and in these cases the rainfall was general from the 4th. The rains may therefore be said to have broken generally in Bengal a few days (perhaps three to five days) earlier than the usual date of commencement of the south-west monsoon rains.

After the establishment of the monsoon current in Bengal, which was, as above stated, brought about by the advance of a feeble depression, two other depressions formed in the Bay, the first of which moved from the north-east of the Bay into Central Bengal an afterwards towards Central India, while the second was formed off the ssa coast and passed between False Point and Balasore on the night of the 2 after which it passed away in a north-westerly direction. Both these depressions gave heavy rain which spread over a rather wide area, and this, in addition to the comparatively early setting in of the rains, caused the general rainfall for June to be about a third larger than the normal fall, while in North Behar generally the fall was no less than 62 per cent. in excess of the usual amount. The actually largest excess falls were received in the Chumparun district, where the excess amounted to about nine and-a-half inches of rain, and the actual fall was 213 per cent. of the normal amount. Next to this stood the Mozufferpore district, where seven inches of rain more than usual fell, and where the rainfall expressed as a percentage of the normal equalled 199. The third district which received a very large excess was the Patna

district, where nearly six inches more rain than usual fell, and where the actual fall equalled a percentage of 195. But while these exceptionally heavy falls were being received in these districts, Balasore, Chittagong and Maldah districts showed defects equal to about 25 per cent. of the normal rainfall.

The variations of the other meteorological elements during June were comparatively small. Pressure was again slightly above the normal, the excess averaging about two hundredths of an inch. Temperature also was slightly in excess of the normal in Orissa, South-West and East Bengal, North Behar and Chutia Nagpur by amounts of about half to one degree; but, on the other hand, North Bengal and South Behar were in defect by an almost equal amount.

In July the south-west monsoon current considered as a rain-bearing current was a little weaker than usual, and most districts received rainfalls below the normal. The rainfall was, however, fairly well distributed throughout the month, except for some days from about the 11th to the 15th or 16th, during which period a small cyclonic storm was generating in the Bay, and the indraught towards which prevented the rain-bearing current from flowing over the province.

This small cyclonic storm which existed from the 12th of July to the 21st was probably first generated in a feeble form off the east coast of the Bay, but it did not exist as a definite storm till it appeared off the Orissa coast on the 12th. It remained almost stationary up till the 18th, intensifying slowly only; it then advanced along the coast, the centre passing between Saugor Island and Balasore on the morning on the 20th, and it afterwards advanced in a north-westerly direction, and passed into Behar and over part of the North-Western Provinces before it filled up. The storm was accompanied by very bad weather in the northern part of the Bay, and during its inland advance it gave rise to exceedingly heavy rain, particularly in North Behar and North Bengal. The rainfall for this month was therefore again about a third in excess of the normal in North Behar, while in North Bengal the excess equalled about a fifth of the normal fall, but in all other districts the falls were somewhat in defect of the normal. The district of Chumparun again received exceptionally heavy rain, the fall averaging more than twenty inches, or eight inches in excess of the normal, and the actual fall expressed as a percentage equalled 166. The Mozufferpore and Patna districts, which in June also received such heavy falls, in July only received moderate amounts, Mozufferpore showing a slight excess and Patna a defect. But in July also the Cooch Behar, Purneah and Julpigoree districts received exceptionally heavy rainfall. On the other hand, very defective falls were registered in the Midnapore, Lohardugga, and Singbhoom districts. The variations of pressure during July were dependent on the formation of the small storm just described. Previous to its formation pressure was considerably in excess of the normal, but during its existence and movement over the land it became in defect, and as during the storm pressures of less than 29·3 inches were recorded, the defects were large. After the filling up and disappearance of the storm, pressure again became in excess of normal. These variations to a great extent compensated for each other, and the mean pressure for the month was only two or three hundredths of an inch in excess of the normal. Temperature was lower than usual by moderate amounts until about the middle of the month, when it became almost equally in excess and remained so until its close, so that the mean temperature varied only by small amounts from the normal, slight excess temperatures of less than one degree being generally reported.

In August the south-west monsoon current was distinctly weaker than the normal strength, and at all the meteorological stations round the Bengal and Orissa coasts wind velocities were rather largely in defect. The weakness of the current was also shown by the fact that the average rainfall over the whole province only equalled about 90 per cent. of the normal, while in South-West Bengal and Chutia Nagpur the falls only equalled about three-fourths of the usual amounts. August was comparatively free from the barometric depressions which usually occur in the rainy season, and only two shallow and unimportant whirls were formed, the first lasting from the 4th to the 10th, and the second from the 16th to the 20th, the first of which passed through Orissa into the Central Provinces, and the second passed from the north-west angle of the Bay through South Behar into the North Western Provinces. For the remainder of the month ordinary south-west monsoon conditions obtained. Conditions were therefore very favourable for rainfall in Orissa, and this district received a fall of about a fifth in excess of the normal. South Behar and East Bengal also

received heavy falls about equal to the normal, but in all other districts the falls were defective. The principal districts which received decidedly excessive falls were Pooree, where an excess of seven inches was registered, and also part of the Bhagulpur district and the Shahabad and Patna districts, where the excess falls amounted to from two to four inches of rain, or to about a quarter of the normal fall. The Chumparun district, on the other hand, which had received excessive falls during June and July, was in defect by five inches of rain in August. The other districts, where largely defective falls were registered, were Darjeeling and Tipperah, where the defects equalled nine inches of rain, Maldah eight inches, Hooghly, Burdwan, and Rajshahye six inches, and Bankoora, Beerbhoom, Moorshedabad and Manbhoom, where the defects were five inches. A curious defect of about five inches also occurred over the southern part of the Bhagulpore district, while, as above stated, the northern part of the same district received an excess fall.

In August almost for the first month during the year pressure became slightly in defect of the normal, the defect ranging from about two to four hundredths of an inch. During August also a trough of slightly low pressure which extended from the north-west corner of the Bay of Bengal in a north-westerly direction over Orissa and Chutia Nagpur was rather more distinctly marked than usual, and on the east of this, easterly winds usually prevailed, and a large proportion of the rain appeared to be brought up by the Bay of Bengal monsoon current, while to the west of it westerly winds generally prevailed, and the rain was partially, or perhaps to a great extent, brought by the current coming from the west coast of the peninsula. Temperature was generally rather high throughout the month, and in all the seven large meteorological districts into which the province is divided, the mean temperature was from about half to one degree above the normal.

In September the distribution of pressure was to a considerable extent similar to that which had obtained in August. The area of comparatively low pressure which usually lies over the province in September was situated more to the west than usual. Hence the west coast current flowing towards this low-pressure area did not extend over the western districts to the same extent as in former years, and the western branch of the monsoon current also appears to have withdrawn rather earlier than usual. The current from the Bay of Bengal, on the other hand, had to supply practically the whole of the rainfall in September to Bengal, and was also deflected more to the westwards. Hence in the general distribution of rainfall for this month, the rainfall of the eastern districts was rather lighter than usual. The number of barometric depressions also passing through the province was small, and with one exception they were very feeble. During the first half of the month two very slight depressions appeared, the first of which was formed over the land, and the second in the north-west corner of the Bay, but beyond giving moderate rain they were of no importance. The third was a much more influential storm, and it existed from the 16th to the 22nd of the month. This small cyclonic storm was formed in the centre of the Bay between Diamond Island and Vizagapatam. The storm then advanced in a west-north-westerly direction, and the centre crossed the Ganjam coast on the evening of the 18th, and it was on the 19th to the west of Gopalpur. The storm then took a more northerly direction, skirting the western boundary of the province and becoming more feeble, and finally it broke up and disappeared in Oudh. In its passage through the western and northern districts it gave very heavy rain, particularly in the northern districts and in North Behar. Towards the end of the month a shallow depression formed in the north-east corner of the Bay, which moved northwards into East Bengal and filled up towards the end of the month. With the appearance of this depression rainfall almost at once ceased in Behar, and from about the 24th practically no rain fell in Behar and Chutia Nagpur.

The rainfall in September was thus largely in excess of the normal in North Behar, where the falls were about half as large again as usual. Moderate excess falls amounting to about a sixth of the normal were received in South Behar and North Bengal, but in all other districts the falls were in defect, the deficiency being usually small in South-West and East Bengal, moderate in Chutia Nagpur, and large in Orissa. Chumparun again received an average fall which was about six and-a-half inches more than usual, and the actual fall was 170 per cent. of the normal. North Bhagulpur also showed

an excess of about 70 per cent., having received nearly seven inches of rain more than usual. In Purneah an excess fall of 60 per cent. was received, while excess falls of about 50 per cent. of the normal were recorded in Durbhunga, Mozufferpur, Monghyr, Sonthal Pergunnahs, Dinagepur, Maldah and Bogra. On the other hand, there were defects of from about one-third to one-half the normal falls in Cuttack, Balasore, Howrah, Gya and Singbhoom, and in the last district indeed there was a deficiency of more than five inches, and the actual fall was less than a third of the normal.

The variations of pressure during September were considerable and for the first-half or two-thirds of the month rather large excess pressures were recorded, but with the advance of the small cyclonic storm along the west of the province pressure became decidedly below the normal. For the whole month the mean pressure was a little in excess, the general variation, however, being not larger than one or two hundredths of an inch. The mean temperature for the whole province was only about a fifth of a degree in defect of the normal, but while the whole of Behar and North Bengal showed defects of about a degree, Orissa showed an almost similar excess, and in East and South-West Bengal and Chutia Nagpur temperature was almost normal.

At the commencement of October the monsoon current blowing over the province had become extremely feeble, and general rainfall had practically ceased, though there were a few isolated showers in East and North Bengal. This practical cessation of the monsoon current from flowing over the province took place in this year rather earlier than is usually the case, for in most years general rainfall is brought up quite to the beginning of October, and in some cases to the second week in October, and thus the rains ceased about a week or perhaps ten days earlier than usual in 1889. During the first eleven days of the month, however, two extremely feeble low-pressure areas were formed, one in Lower Bengal, and the second in North Bengal, which gave rise to a moderate number of showers. A low-pressure area then formed in the Bay which passed over Orissa, giving decidedly heavy rain to that district, and later on, about the 21st and 22nd, a much more influential storm began to form in the Bay off the Orissa and Ganjam coasts. At first it drifted towards the Orissa coast concentrating slowly, but on the 25th it commenced to move forward in a north-easterly direction, crossing the coast to the east of Saugor Island on the 26th. It then passed near Burrisal and into East Bengal generally until the 28th, when it quickly filled up. This storm brought very heavy rain in its progress, and parts of Orissa, South Bengal, and East Bengal received falls considerably in excess of the normal for the month. With the rapid filling up of the storm a steady northerly wind current set in, which quickly drove back the moist winds, which had again partially invaded the province in the rear of the small storm, and by the close of October a steady north-east monsoon current had set in over the whole of Bengal, pressure rose rapidly, temperature and humidity fell quickly, the skies became practically cloudless, and rainfall entirely ceased, and conditions thus became of the ordinary cold-weather type, and the monsoon season appeared to be practically at an end. The rainfall for October was thus largely in excess of the normal in Orissa, where the fall was half as large again as usual. Rather heavy falls were also received in East and South-West Bengal, where the amounts were from a third to an eighth in excess of the normal, but in all other districts the falls were in defect, the defect being moderate in Chutia Nagpur, very large in North Bengal and South Behar, while in North Behar rainfall was almost absent. The falls in October were particularly heavy in the following districts:—Khoolna, 24-Pergunnahs, Pooree, Backergunge, Jessore, Howrah, Dacca, Tipperah, Furreedpore, and Cuttack, while they were very largely defective in Mozufferpur, Chumparun, Sarun, Patna, Durbhunga, Monghyr, and Bhagulpur, where the falls scarcely equalled ten per cent. of the normal.

The variations of pressure during the month were not very large except in connection with the passage of the small storm previously described, and for the whole month the general pressure was below the normal by amounts which averaged about four or five hundredths of an inch. Temperature was generally slightly in excess of the normal in October except for about a week in the middle of the month, and again for a few days at its close, and thus the general temperature of the province for the whole month was about a degree in excess of the normal.

The above summary embraces the period during which the actual monsoon rains are received in Bengal, and usually November is a month when normal cold-weather conditions obtain and when rainfall rarely falls. It sometimes happens, however, that during November one or more cyclonic storms may form in the Bay in front of the south-west monsoon current which is gradually retreating down the Bay. In such cases the storms usually cross the Madras coast, but they sometimes even advance towards the north of the Bay and cross the Orissa or Bengal coasts. If the storm should advance northwards and should strike as far north as Orissa, that district will naturally receive very heavy rain, and also owing to the generally disturbed conditions accompanying the storm, a wave of moist winds may be forced northwards from the Bay over Bengal, and thus though the greater part of Bengal may not actually be visited by such a storm, yet it is considerably affected by it, and may receive more or less general, and sometimes heavy, rain due to the effects of the storm. This has been the case during the present year. A cyclonic storm was generated in the south of the Bay about November 13th. It first drifted westward towards the Coromandel coast, and then advanced northwards along the coast finally striking the land between Gopalpore and Pooree on the 20th, where it rapidly broke up. It was an extensive and rather severe storm, and gave excessive rainfall to Orissa, while also very heavy rain has been received in the southern districts of Bengal, and light to moderate rain even in the northern districts of the province. Thus rainfall was received from about the fourteenth of November to the twenty-second over a considerable part of Bengal, but from this date ordinary north-east monsoon conditions began again to re-establish themselves. The following are some of the more important average district falls which were received by this action. Amounts of about ten inches and above fell in Pooree and Cuttack districts; falls of from six to ten inches in Balasore, South-West Midnapore and South 24-Pergunnahs, Burdwan, Nuddea and Furreedpore districts; falls of four to six inches in Beerbhoom, West Burdwan, Jessore, Khoolna, Chittagong Hill Tracts, Dacca and Pubna districts; and falls of from two to four inches in Midnapore, 24-Pergunnahs, Howrah, Hooghly, Bancoorah, Moorshedabad, Backergunge, Noakholly, Commilla, Mymensingh, Rajshahye, Manbhoom and Singbhoom districts.

The most important features of the monsoon season in 1889 and of the months preceding it in Bengal have therefore been—

1. Pressure was almost uniformly in excess of the normal for the first six or seven months of the year.

2. Temperature was also generally in excess of the normal for the first five months, particularly in April and May, which were exceptionally hot months.

3. The land-formed storms of the cold weather which visited the province were decidedly influential and gave rather heavy rain.

4. There were remarkably few hot weather local storms or nor'-westers, and those which were formed were most of them unimportant. Only one which occurred in the Rajshahye district on April 15th was very fierce, and this was probably almost of the nature of a tornado.

5. The rainfall for January and February was largely in excess of the normal, while that for March, April and May was very defective in amount.

6. The advance of the monsoon current in the Bay took place at about the usual date in May, but it passed up the Bay rather more quickly than usual, so that it advanced, and the rains commenced over Bengal several days (from three to five) earlier than is usual.

7. The monsoon current was of considerable strength in June, and of moderate strength in July, August and September, but it retreated from the province rather earlier than usual in October.

8. The rainfall in June was therefore very considerably in excess of the normal, while it was in slight general defect in July, August, September and October.

9. There was a strongly-marked tendency to excessive rainfall in Behar, and particularly in North Behar as well as in parts of North Bengal. This was specially the case in the Chumparun district, which received about sixteen inches more rain during the monsoon season than usual. Similarly Purneah district received fifteen inches in excess, Darjeeling ten inches, Rungpore eight

inches, Dacca nine inches, and Mymensing seventeen inches in excess, and were therefore areas of rather excessive precipitation.

10. The number of barometric depressions and of cyclonic storms which formed in the monsoon season was small, most of them which formed were feeble in character, and only three or four of moderate intensity.

11. Owing to the formation of a cyclonic storm in the middle of the Bay in the second week of November and its advance towards the Orissa coast which it struck on the 20th, a wave of moist winds was forced over the southern part of Bengal, and rainfall became very heavy and general for some days over Orissa, and rather heavy over South-West and East Bengal, while moderate but still general rainfall over the whole of the remainder of the province.

12. The following tables give briefly the amount and variation of the rainfall in each of the seven meteorological divisions of the province month by month for the monsoon season May to October inclusive:—

Actual Rainfall in inches.

Meteorological Divisions.	May.	June.	July.	August.	September.	October.	Year.
Orissa ...	2·80	10·58	11·09	13·04	5·70	9·24	52·45
South-West Bengal ...	2·93	12·70	10·07	9·03	8 17	4 88	47·78
East Bengal ...	6·19	20·13	15·04	14·86	10·81	7·19	74·22
North Bengal ...	3·45	22·55	16·79	11·87	15·94	2·11	72·71
North Behar ...	1·36	15·00	16·09	10·10	14·51	0·28	57·34
South Behar ...	1·40	9·51	11·47	10·63	9·09	1·33	43·43
Chutia Nagpur ...	1·41	10·04	10·36	10·54	7·23	2·18	41·76

Variation of actual Rainfall from the average in inches.

Orissa	— 1·11	+ 1·72	— 1·50	+ 1·86	— 4·72	+ 3·10	— 0·65
South-West Bengal ...	— 2·48	+ 2·61	— 1·93	— 3·73	— 0·87	+ 0·53	— 5·87
East Bengal ...	— 3·07	+ 1·92	— 1·30	— 1·01	— 1·36	+ 1·78	— 3·04
North Bengal ...	— 5·40	+ 4·79	+ 2·78	— 2·26	+ 2·35	— 2·49	— 0·23
North Behar ...	— 1·85	+ 6·27	+ 3·72	— 1·50	+ 4·66	— 3·30	+ 8·00
South Behar ...	— 1·01	+ 2·83	— 0·55	— 0·67	+ 1·11	— 1·99	— 0·28
Chutia Nagpur ...	— 1·44	+ 1·86	— 2·77	— 2·66	— 1·61	— 0·90	— 7·52

Variation expressed in a percentage of the normal fall.

Orissa	— 28	+ 19	— 12	+ 17	— 45	+ 50	— 1
South-West Bengal ...	— 46	+ 26	— 16	— 29	— 10	+ 12	— 11
East Bengal ...	— 33	+ 10	— 8	— 6	— 11	+ 33	— 4
North Bengal ...	— 61	+ 27	+ 20	— 16	+ 17	— 54	0
North Behar ...	— 58	+ 72	+ 30	— 13	+ 47	— 92	+ 16
South Behar ...	— 42	+ 42	— 5	— 6	+ 14	— 60	— 1
Chutia Nagpur ...	— 50	+ 23	— 21	— 20	— 18	— 29	— 15

13. Finally, the rainfall of the whole province from May to October inclusive has averaged 55·69 inches, while the normal fall is 57·04 inches, thus the actual average fall has been in defect by 1·37 inches. Expressed as a percentage, the actual rainfall in the province of Bengal for this period has equalled 97 per cent. of the normal amount.

A. PEDLER,

Meteorological Reporter to the Govt. of Bengal.

Meteorological Office, Bengal,
The 25th November 1889.

TABLE I.

Actual Monthly Rainfall of districts in Bengal for the months of May to October 1889.

[*N. B.*—The figures in this table are the arithmetical averages of the corresponding figures in the returns for the sub-divisional stations.]

Division.	District.	May.	June.	July.	August.	September.	October.	Total.
Orissa	Pooree ...	1·13	12·47	12·17	16·74	5·97	11·92	60·40
	Cuttack ...	2·73	12·99	14·23	12·79	4·80	8·92	56·46
	Balasore ...	3·96	7·31	7·76	10·79	6·28	7·72	43·82
South-West Bengal.	South Midnapore and South-West 24-Pergunnahs.	2·99	13·94	8·29	12·43	6·64	7·53	51·82
	Midnapore ...	2·68	9·62	8·44	12·32	5·92	4·57	43·55
	24-Pergunnahs ...	2·38	14·80	11·20	9·98	7·34	8·07	53·77
	Hooghly and Howrah	1·82	12·92	11·30	9·76	6·13	4·95	46·88
	Bankoora ...	2·96	16·33	11·61	9·12	8·77	3·35	52·14
	Beerbhoom ...	4·29	12·51	10·78	8·93	9·86	1·49	47·86
	Burdwan ...	2·99	10·14	7·59	6·36	7·70	2·02	36·80
	Nuddea ...	2·34	11·26	8·63	8·83	9·71	4·16	44·93
	Moorshedabad ...	5·15	11·84	11·21	6·76	11·73	1·54	48·23
	Khoolna and Jessore ...	2·02	12·72	9·74	8·33	6·79	8·48	48·08
East Bengal	Chittagong ...	5·46	21·89	19·88	31·15	18·22	5·63	102·23
	Chittagong Hill Tracts	5·47	14·07	14·60	14·05	9·82	4·47	62·48
	Backergunge ...	3·63	20·45	15·19	16·14	9·02	10·39	74·82
	Noakholly ...	5·52	20·78	24·23	19·15	14·10	4·88	88·66
	Furreedpore ...	4·56	18·07	10·57	10·63	6·02	5·93	55·78
	Dacca ...	8·42	20·60	14·39	13 61	8·03	7·43	72·48
	Tipperah ...	6·16	15·79	9·13	7·11	9·15	8·58	55·92
	Mymensingh ...	8·32	25·67	17·41	15·77	14·79	6·68	88·64
North Bengal.	Pubna	5·94	14·39	9·10	8·49	8·64	5·01	51·57
	Bogra ...	2·32	22·86	10·83	9·34	16·41	2·56	64·32
	Rajshahye ...	1·20	18·65	11·28	6·08	13·05	2·28	52·54
	Maldah ...	0·70	7·98	8·70	4·00	15·84	2·07	39·29
	Dinagepore ...	0·73	17·41	10·83	9·15	17·20	1·78	57·10
	Rungpore ...	3·87	33·01	17·10	13·08	17·34	1·02	85·42
	Julpigoree and Cooch Behar.	8·17	30·53	36·89	23·60	17·86	1·74	118·79
	Darjeeling Hill ...	8·07	31·76	50·60	23·17	17·39	3·79	134·78
North Behar	Purneah and North Bhagulpore.	2·00	19·75	20·46	12·90	18·92	0·68	74·71
	Durbhunga ...	1·52	12·25	13·35	11·21	13·28	0·22	51·83
	Mozufferpore ...	0·66	13·64	13·13	9·15	11·88	Nil	48·46
	Chumparun ...	0·90	18·34	20·74	6·95	15·77	0·19	62·89
	Sarun	1·13	8·95	11·50	7·35	10·17	Nil	39·10
South Behar	Shahabad ...	0·35	5·87	10·91	15·06	5·61	1·28	39·08
	Gya ...	0·34	8·68	9·72	12·85	4·50	0·76	36·85
	Patna ...	2·05	11·13	11·27	9·55	9·09	0·22	43·31
	Monghyr and South Bhagulpore.	1·63	10·23	11·03	7·68	11·56	0·18	42·31
	Sonthal Pergunnahs...	2·35	11·43	13·63	8·63	13·00	3·47	52·51
Chutia Nagpur.	Hazaribagh ...	1·42	10·09	10·47	10·98	7·50	1·48	41·94
	Lohardugga ...	1·04	8·10	11·21	11·10	8·28	3·64	43·37
	Manbhoom ...	1·71	9·69	9·62	7·20	7·17	0·90	36·29
	Singbhoom ...	1·96	16·37	8·79	12·55	2·81	3·84	46·32

TABLE II.

Variation of the average district actual Monthly Rainfall from the normal average for the months of May to October 1889.

Division.	District.	May.	June.	July.	August.	September.	October.	Total.
Orissa	Pooree ...	—1·92	+3·95	+0·09	+4 98	—4·27	+3·80	+6 63
	Cuttack ...	—0·87	+3·33	+1·76	+2·17	—4·79	+3·32	+4·92
	Balasore ...	—0·77	—1·12	—5·27	—0·48	—4·95	+2·43	—10·16
South-West Bengal.	South Midnapore and South-West 24-Pergunnahs.	—1·81	+4·13	—7·17	—1·88	—4·80	—0·19	—11·72
	Midnapore ...	—2·51	+0·18	—4·31	—1·61	—2·17	+0·30	—10·12
	24-Pergunnahs ...	—3·34	+5·07	—1·22	—3·21	—1·43	+3·97	—0·16
	Hooghly and Howrah	—3·54	+3·22	—1·56	—4·35	—2·39	+1 02	—7·60
	Bankoora ...	—1·01	+6·62	—1·66	—5·15	+0·53	—0·40	—1·07
	Beerbhoom ...	+0·88	+2·44	—2 16	—4·17	—0·02	—1·97	—5·00
	Burdwan ...	—2·06	+1·26	—2·99	—5·74	+0·03	—1·95	—11 45
	Nuddea ...	—3·97	+1·54	—1·61	—3·20	+1·12	—0·05	—6·17
	Moorshedabad ...	—0·12	+2·64	+0·33	—5·12	+1·33	—2·68	—3·62
	Khoolna and Jessore	—4·77	+0·42	—1·45	—3·63	—2·15	+4·06	—7·52
East Bengal	Chittagong ...	—4·54	—7·74	—11·18	+7·70	+3·90	—1·04	—12·90
	Chittagong Hill Tracts	—4·03	—6·05	—3·02	—2·24	—2·93	—2·68	—20·95
	Backergunge ...	—4·03	+1·05	—2·79	+0·53	—3·10	+4·86	—3·48
	Noakholly ...	—4·88	—6·54	+0·96	—5·52	—2·66	—1 49	—20·13
	Furreedpore ...	—4·03	+5·52	—1·33	—1·43	—3·23	+1 49	—3·01
	Dacca ...	—0 50	+7·58	+0·65	+0·68	—2·37	+3·04	+9·08
	Tipperah ...	—4·27	—0·98	—4·58	—9·01	—2·30	—3·41	—17·73
	Mymensingh ...	—1·13	+8·70	+4·71	+1·98	+1·64	+1·36	+17·26
North Bengal.	Pubna ...	—1·17	+3·24	—1·47	—3·52	—1·78	+0·42	—4·28
	Bogra ...	—5·47	+10·10	—1·92	—2·29	+6 05	—1·84	+4·63
	Rajshahye ...	—4·93	+8·70	—0·49	—6·02	+1·59	—2 17	—3·32
	Maldah ...	—3·80	—3·88	—3·29	—8·02	+4·79	—1·62	—15·82
	Dinagepore ...	—5·69	+3·67	—1 42	—2 35	+5·93	—1·97	—1·83
	Rungpore ...	—7·36	+11·71	+3 11	+1·01	+3·90	—3·87	+8·50
	Julpigoree and Cooch Behar.	—5·59	—0·53	+17·02	+0·68	—3·91	—4·08	+3·59
	Darjeeling Hill ...	—3 25	+2·92	+19·41	—4·79	—1·21	—2 52	+10·56
North Behar	Purneah and North Bhagulpore.	—2·94	+8·25	+6·70	—0·78	+6·53	—2·93	+14·83
	Durbhunga ...	—1·11	+4·22	+1·76	+0·46	+4·03	—2·70	+6 66
	Mozufferpore ...	—1·80	+6·22	+1·71	—0·93	+2 88	—3·40	+4·68
	Chumparun ...	—1·69	+10·15	+9·17	—4·99	+6·47	—3·35	+15·76
	Sarun ...	—0·95	+2·46	—0·81	—2·89	+2·72	—4·38	—3·85
South Behar	Shahabad ...	—1·06	+0·89	—0·40	+3·97	—1·47	—2·10	—0·17
	Gya ...	—1·42	+3·16	—2 51	+1·12	—2·29	—2·07	—4·01
	Patna ...	—0·04	+4 89	—0·68	—0 93	+2·05	—3·04	+2·25
	Monghyr and South Bhagulpore.	—0·82	+3·28	—0·57	—3·38	+3·65	—3·02	—0·86
	Sonthal Pergunnahs ...	—1·49	+2·48	+0·77	—3·29	+2·79	—0·28	+0·98
Chutia Nagpur.	Hazaribagh ...	—1·33	+1·70	—3·03	—2·27	—1·79	—1·65	—8 37
	Lohardugga ...	—1·60	+0·25	—1·65	—1·77	—0·73	+0·77	—4 73
	Manbhoom ...	—1·06	+1·61	—2·45	—6·00	—0·52	—2·44	—10·86
	Singbhoom ...	—2 21	+8·07	—5·48	—1·28	—5·51	+0·89	—5·52

TABLE III.

The variation of the average District Monthly Rainfall expressed as a percentage of the normal rainfall for the months of May to October 1889.

Division.	District.	May.	June.	July.	August.	September.	October.	Total.
Orissa	Pooree ...	—63	+46	+1	+42	—42	+47	+12
	Cuttack ...	—24	+34	+14	+20	—50	+59	+10
	Balasore ...	—16	—13	—40	—4	—44	+46	—19
South-West Bengal.	South Midnapore and South-West 24-Pergunnahs.	—38	+42	—46	—13	—41	—2	—18
	Midnapore ...	—48	+2	—34	—12	—27	+7	—19
	24-Pergunnahs ...	—58	+52	—10	—24	—16	+97	0
	Hooghly and Howrah	—66	+33	—12	—31	—28	+26	—14
	Bankoora ...	—25	+68	—12	—35	+6	—11	—2
	Beerbhoom ...	+26	+24	—17	—32	—1	—57	—9
	Burdwan ...	—41	+14	—28	—47	0	—49	—24
	Nuddea ...	—63	+16	—16	—27	+13	—1	—12
	Moorshedabad ..	—2	+29	+2	—43	+13	—64	—7
	Khoolna and Jessore	—70	+3	—13	—30	—24	+92	—14
East Bengal	Chittagong ...	—45	—26	—36	+33	+27	—16	—11
	Chittagong Hill Tracts	—42	—30	—17	—14	—22	—37	—25
	Backergunge ...	—53	+5	—16	+3	—26	+88	—4
	Noakhally ...	—47	—24	+4	—22	—16	—23	—18
	Furreedpore ...	—47	+44	—11	—12	—35	+34	—5
	Dacca ...	—6	+58	+5	+5	—23	+69	+14
	Tipperah ...	—41	—6	—33	—56	—20	+66	—24
	Mymensingh ...	—12	+51	+37	+14	+12	+26	+24
North Bengal.	Pubna ...	—16	+29	—14	—29	—17	+9	—8
	Bogra ...	—70	+79	—15	—19	+58	—42	+8
	Rajshahye ...	—80	+88	—4	—50	+14	—49	—6
	Maldah ...	—84	—33	—27	—67	+43	—44	—29
	Dinagepore ...	—89	+27	—12	—20	+53	—52	—3
	Rungpore ...	—66	+55	+22	+9	+29	—79	+11
	Julpaiguri and Cooch Behar.	—41	—2	+86	+3	—18	—70	+3
	Darjeeling Hill ...	—28	+10	+62	—17	—6	—40	+9
North Behar	Purneah and North Bhagulpur.	—59	+72	+49	—6	+53	—81	+25
	Durbhunga ...	—42	+53	+15	+4	+43	—93	+15
	Mozufferpur ...	—73	+84	+15	—9	+32	—100	+11
	Chumparun ...	—65	+124	+79	—42	+70	—94	+33
	Sarun ...	—46	+38	—7	—28	+37	—100	—9
South Behar	Shahabad ...	—75	+18	—4	+36	—21	—62	—1
	Gya ...	—81	+57	—21	+10	—34	—73	—10
	Patna ...	—2	+78	—6	—9	+29	—93	+5
	Monghyr and South Bhagulpore.	—34	+47	—5	—31	+46	—94	—2
	Sonthal Pergunnahs...	—39	+28	+6	—28	+27	—7	+2
Chutia Nagpur.	Hazaribagh ...	—49	+20	—23	—17	—19	—53	—17
	Lohardugga ...	—61	+3	—13	—14	—8	+26	—10
	Manbhoom ...	—38	+20	—20	—45	—7	—73	—23
	Singbhoom ...	—50	+97	—38	—9	—66	+30	—11

TABLE IV.

Monthly Rainfall of the Sub-divisional Rainfall-recording Stations in the Province of Bengal for the months of May to October 1889.

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.
Orissa	Pooree	Pooree	1·06	12·31	10·58	21·16	4·65	13·01
		Khurdah	1·12	14·83	15·08	15·30	8·23	11·85
		Banpur	1·20	7·57	11·54	14·71	4·88	12·50
		False Point	1·13	15·18	11·48	15·79	6·10	10·30
		Gop			11·44	10·65	3·94	19·95
		Pipli						
	Cuttack	Jagatsingpore	2·11	8·79	24·33	11·98	4·55	11·80
		Banki	0·62	11·94	7·19	13·67	3·68	8·45
		Cuttack	3·29	18·60	12·73	14·59	5·59	8·84
		Kendrapara	2·82	13·11	16·60	15·01	5·46	8·50
		Jajpore	4·82	12·55	10·28	8·69	4·74	7·03
		Dharmsala	2·40	12·60	9·85	12·20	5·10	8·10
		Salipore	1·85	16·54	15·06	16·97	3·70	7·80
	Balasore	Chandbali	3·43	5·06	8·32	10·12	9·33	8·30
		Bhuddruck	5·36	7·93	11·62	12·14	7·93	4·73
		Sorah	5·01	4·43	8·60	8·42	5·80	6·94
		Balasore	4·45	4·35	4·48	11·51	4·37	12·31
		Jellasore	1·20	8·16	3·59	8·57	4·83	9·02
		Baripodah	4·30	13·91	9·92	13·98	5·41	5·02
	Midnapore	Contai	1·77	11·50	5·71	13·14	9·43	5·82
		Saugor Island	2·13	12·39	9·02	10·70	4·96	10·91
		Tumlook	1·70	11·50	9·20	12·50	5·10	7·10
		Midnapore	2·64	9·19	7·85	13·06	7·10	2·32
		Ghatal	3·68	8·17	8·27	11·41	5·57	4·29
		Kukrahaty	4·34	19·05	9·31	10·97	4·90	6·43
		Heria	5·48	20·50	7·46	10·37	7·36	8·91
		Bhagwanpore	4·67	13·11	6·15	11·42	7·85	5·34
		Garbeta	3·10	13·36	12·13	8·00	6·52	0·75
South-West Bengal.	24-Pergunnahs.	Diamond Harbour	5·08	17·93	10·15	13·46	5·52	5·85
		Canning Town	3·81	10·00	8·57	12·96	8·12	10·26
		Alipore Jail	3·92	12·73	12·98	8·52	5·38	4·58
		Barrackpore	1·62	13·42	9·52	8·35	9·50	6·74
		Dum-Dum	2·42	19·36	8·98	13·93	7·96	7·84
		Baraset	2·12	14·76	11·85	10·10	5·87	8·63
		Buseerhat	1·80	13·72	12·69	9·01	8·01	12·54
	Howrah	Howrah	2·19	17·95	12·37	9·93	7·28	6·53
		Mohesreka (*Oolberiah*).	1·61	10·93	16·69	13·88	4·57	5·35
	Hooghly	Serampore	1·99	13·76	10·43	10·15	7·48	8·75
		Hooghly	1·79	8·21	8·03	7·30	6·77	2·61
		Jehanabad	1·53	13·74	8·97	7·54	4·57	1·53
	Burdwan	Culna	2·72	11·35	5·95	5·87	7·55	2·11
		Burdwan	4·36	11·74	9·68	5·39	9·53	1·44
		Cutwa	1·90	7·32	7·14	7·81	6·01	2·51
		Raneegunge	5·02	12·83	12·93	10·18	7·03	0·51
		Mankur	4·03	9·28	13·82	6·76	12·41	2·07
	Bankoora	Bankoora	3·80	14·38	10·19	8·60	6·59	3·06
		Bishenpore	3·18	15·02	12·62	7·75	9·61	5·77
		Maliara	2·67	14·16	10·11	7·86	9·50	
		Khatra	2·19	21·76	13·52	12·26	9·39	2·10
		Indas	4·78	14·65	11·01	5·25	6·04	1·00
		Kotalpore	2·19	14·88	14·05	6·95	7·90	Nil

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	Total.
South-West Bengal—*concld.*	Bankoora—*concluded.*	*Anda* ...	0·93	10·08	14·27	8·63	4·52	0·76	39·19
		Gangajalghati ...	3·06	11·67	13·39	9·26	10·78	3·65	51·81
		Raipore ...	1·42	17·17	14·62	10·45	5·08	5·66	54·40
		Sonamukhi ...	4·95	15·09	11·94	5·92	10·67	1·43	50·00
	Beerbhoom ...	Bh. Soory ...	3·90	12·69	11·61	11·92	11·91	3·09	55·12
		Hetampore ...	5·30	13·30	8·36	6·16	7·68	1·71	42·51
		Rampore Haut...	2·92	11·20	10·23	7·47	12·80	0·64	45·26
		Bolpore ...	3·85	10·52	9·81	10·76	12·74	2·67	50·35
		Murarai ...	3·86	9·07	13·75	5·90	17·23	1·76	51·57
	Nuddea ...	Ranaghat ...	2·17	13·48	9·14	12·03	10·98	4·28	52·08
		Kishnaghur ...	1·51	9·36	8·60	4·58	5·11	4·83	33·99
		Chooadanga ...	1·95	8·93	8·16	7·05	10·00	3·72	39·81
		Meherpore ...	3·21	10·45	7·16	11·30	11·50	6·09	49·71
		Kooshtea ...	2·83	14·07	10·11	9·14	10·94	1·91	49·00
	Khoolna ...	Satkhira ...	1·46	11·28	11·38	9·31	6·53	9·35	49·31
		Bagirhat ...	0·79	14·05	10·86	9·37	5·23	10·46	50·76
		Khoolna ...	0·44	11·28	8·65	9·30	10·91	11·39	51·97
	Jessore ...	Narail ...	3·19	11·15	9·19	8·38	5·27	7·19	44·37
		Jessore ...	2·14	18·18	9·65	7·17	9·69	7·98	54·81
		Jhenidah ...	3·07	10·33	7·43	8·55	9·79	4·50	43·67
		Magoora ...	3·79	15·76	9·57	8·86	2·46	7·21	47·65
		Bongong ...	1·23	9·71	11·18	5·66	4·47	9·81	42·06
	Moorshedabad.	Kandi ...	4·82	16·12	9·57	8·91	9·75	0·51	49·68
		Berhampore ...	7·74	10·12	7·35	6·67	9·27	1·31	42·46
		Lalbagh ...	5·39	5·78	12·27	7·36	9·26	2·43	42·49
		Azimgunge ...	4·89	8·80	10·92	5·82	12·71	0·60	43·74
		Jungipore ...	3·29	12·91	13·30	6·15	15·40	2·19	53·24
		Lalgola ...	4·75	17·31	13·82	5·63	13·96	2·20	57·67
		Jiagunge ...	4·86	7·94	9·36	6·08	12·48	0·38	41·10
		Akhrigunge ...	2·73	10·24	12·02	3·93	10·00	1·02	39·94
		Patkabari ...	3·98	10·90	1·60?	3·70		3·80	
East Bengal.	Chittagong...	Cox's Bazar ...	6·02	25·31	28·53	37·19	22·83	7·47	127·35
		Chittagong ...	4·90	18·47	11·23	25·10	13·61	3·77	77·08
		Kutubdia ...	3·22	24·16	24·68	39·20	17·45	2·86	111·57
		Satkanya ...	3·35	17·79	9·68	19·61	7·64	3·55	61·62
	Chittagong Hill Tracts.	Rangamati ...	6·03	13·73	16·14	14·45	8·37	1·60	60·32
		Ruma ...	4·90	14·40	13·05	13·65	11·27	7·33	64·60
	Backergunge.	Patuakhally ...	5·38	20·92	20·83	19·44	10·46	8·03	85·06
		Perozepore ...	2·33	21·21	13·09	12·06	4·34	16·79	69·82
		Burrisal ...	2·95	20·24	12·21	16·11	9·38	9·07	69·96
		Bhola ...	3·83	19·43	14·63	16·96	11·91	7·66	74·42
		Gournaddi ...	2·97	20·71	6·40	10·82	7·27	8·90	57·07
		Bauphal ...	3·04	25·87	15·28	27·21	13·38	7·34	72·12
	Noakholly...	Noakholly ...	6·07	25·41	20·62	23·13	18·25	6·81	100·29
		Fenny ...	4·95	16·15	27·83	15·17	9·95	2·94	76·99
		Harishpore ...	3·09	8·24	20·43	25·81	23·38	1·56	82·51
		Ramganj ...	2·25	23·22	22·95	18·00	15·26	5·13	86·81
	Furreedpore	Madaripore ...	3·24	17·76	9·52	10·77	6·11	9·90	57·30
		Furreedpore ...	2·92	19·10	12·79	11·87	6·90	4·09	57·67
		Goalundo ...	7·52	17·36	9·40	9·25	5·05	3·78	52·36
	Dacca ...	Munshigunge ...	8·42	20·41	14·39	13·24	8·54	9·06	74·06
		Dacca ...	6·98	23·86	14·55	11·95	8·50	7·30	73·14
		Naraingunge ...	11·06	20·25	13·58	16·62	9·10	7·91	78·52
		Maniekgunge ..	7·24	17·89	15·04	12·61	5·99	5·45	64·22
		Joydebpore ...	10·77	18·50	12·86	14·67	8·67	5·37	70·84
	Hill Tipperah...	Agartola ...	7·78	12·18	4·44	4·79	7·46	8·37	45·02

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.
East Bengal—*concld.*	Tipperah ...	Comilla ...	7·23	21·83	10·30	6·84	9·33	7·44
		Chandpore ...	3·65	12·50	11·51	13·58	11·61	11·08
		Brahmunberia ...	6·00	16·66	10·27	3·21	8·21	7·42
		Ramchandrapore	4·83	21·57	6·66	5·29	9·01	10·41
		Nasirnagar ...	7·85	11·95	2·85	2·50	4·14	3·90
		Daudkandi ...	6·50	20·60	7·89	9·07	4·73	3·45
		Kusba ...	6·29	14·23	8·00	4·77	17·91	11·35
		Laksham ...	1·70	18·85	16·15	11·63	12·97	4·35
	Mymensingh	Kishoregunge ...	6·93	21·06	13·19	12·59	12·57	4·88
		Atia (*Tangail*) ...	12·96	16·80	11·26	11·59	7·20	2·79
		Mymensingh ...	7·34	24·91	20·41	20·71	16·25	8·17
		Jamalpore ...	4·83	27·52	13·50	11·97	21·74	5·67
		Netrokona ...	9·53	38·04	28·70	22·00	16·21	11·90
		Subornakhally ...	4·29	15·50	12·27	8·74	7·54	8·02
		Durgapore ...	11·41	47 63	35·93	31 33	24·90	3·10
		Sherepore Town ..	4·74	29·95	19·40	11 30	20·42	2·33
		Dewanganj ...	2·13		10·99	9·02	11·42	0·72
	Pubna ...	Pubna ...	3·64	15·27	7·20	7·06	9·82	1·81
		Serajgunge ...	8·24	13·50	11·00	9·93	7·46	8·20
	Bogra ...	Sherepore ...	2·68	18·12	10·86	15·04	11·67	3·60
		Nowkhilla ...	4·77	21·11	8·72	8·14	17·26	1·24
		Bogra ...	1·15	24·16	15·40	8·25	19·26	1·34
		Panchbibi ...	0·66	28·03	8·36	5·94	17·43	4·07
	Rajshahye ...	Beauleah ...	2·28	15·25	9·39	4·19	11·74	1·98
		Nattore ...	0·56	21·71	14·45	7·20	9·92	2·00
		Naogaon ...	0·75	19·00	10·01	6·86	17·50	2·85
		Lalpore ...	0·90	11·04	6·84	8·68	4·99	1·39
		Manda ...	1·50	17·28	6·66	4·23	8·93	4·12
North Bengal.	Maldah ...	Maldah ...	1·28	10·91	8·34	5·71	19·71	3·83
		Chanchal ...	0·13	5·04	9·06	2·30	11·98	0·29
		Gajol ...	0·43	7·56	8·61	4·64	16·05	2·50
		Sibgunj ...	2·55	11·09	8·77	6·53	15·33	5·72
	Dinagepore ...	Mohadebpore ...	0·65	19·40	8·81	7·08	14·37	2·67
		Churamon ...	0·21	11·15	13·74	7·63	18·51	0·16
		Raigunge ...	0·10	13·59	11·42	11·52	14·35	1·27
		Dinagepore ...	1·05	23·73	11·82	12·60	18·22	0 42
		Baloorghat ...	1·62	19·19	8·34	6·92	20·57	4·38
		Thakurgaon ...	0·93	35·65	22·97	9·08	17·52	1·27
	Rungpore ...	Bhawanigunge ... (*Gyabanda*).	5·05	36·86	12·98	11·54	19·35	1·71
		Rungpore ...	2·61	29·99	16·53	11·89	11·78	1·60
		Kurigram ...	5·90	36·25	16·82	9·43	23·68	Nil
		Bagdogra ... (*Nilphamari*).	1·93	28·95	22·07	19·45	14·53	0·76
		Ulipore ...	4·62	35·19	13·11	9·50	17·41	Nil
	Julpigoree ...	Julpigoree ...	6·56	33·81	38·38	23·17	20·12	1·35
		Alipore Doar ...	6·37	27·39	40·00	27·80	18·13	1·84
		Fallacotta ...	10·83	22·83	47·72	30·48	14·43	4·85
		Debigunj ...	3·63	27·85	28·07	18·45	12·30	0·62
		Bhagalpore (*Nagrakatia*).	10·89	37·94	37·78	31·37	15·89	7·29
	Cooch Behar	Dinhatta ...	9·01	28·95	21·11	14·09	24·94	1·92
		Cooch Behar ...	10·60	27·97	41·47	29·70	16·19	2·45
		Mickilgunge ...	3·70	36·74	34·42	28·85	16·53	1·34
		Matabhanga ...	10·93	25·18	49·05	22·17	11·54	1·63
	Darjeeling Hill.	Buxa ...	17·70	37·71	71·12	38·70	25·12	6·29
		Siliguri ...	4·66	31·53	41·71	18·66	20·04	3·20
		Darjeeling ...	5·29	31·35	55·61	20·30	14·18	2·59
		Kalimpong ...	4·65	26·44	33·97	15·00	10·21	3·10
		Kurseong ...	8·49	33·77	71·87	36·45	19·20	3·34

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	Total.
North Behar.	Purneah ..	Kissengunge ...	3·18	31·81	30·24	11·82	25·03	0·29	102·37
		Arrareah ...	1·24	26·67	19·63	14·90	17·17	Nil	79·61
		Purneah ...	2·88	11·41	19·57	9·20	18·88	1·51	63·45
		Gonawara ...	1·50			9·51	11·33	2·70	
		Balarampore ...	0·40		14·97		13·75	1·60	
		Matiari ...	0·78	34·00	28·01	10·93	14·79		
		Kaliaganj ...			27 51	18·18	19·25	1·58	
	North Bhagulpore.	Maddapore ...	1·65	14·37	17·30	8·64	17·44	1·45	60·85
		Soopool ...	1·04	14·51	15·55	19·96	16·06	0·14	67·26
		Protapganj ...	0·90	31·56	29·41	13·14	12·84	Nil	87·85
	Durbhunga...	Tajpore ...	1·47	11·82	10·10	8·16	10·69	0·12	42·36
		Durbhunga ...	0·21	10·88	14·37	12·81	11·20	0·54	50·01
		Madhubani ...	2·89	14·05	15·57	12·66	17·94	Nil	63·11
		Bahera ...	0·92	13·56	15·86	18·73	20·75	0·14	69·96
		Roshera ...	0·90	12·24	7·53	17·61	17·56	Nil	55·84
	Mozufferpore	Sitamarhi ...	0·32	13·72	18·48	11·52	10·72	Nil	54·76
		Mozufferpore ...	0·45	16·77	11·79	5·40	13·88	Nil	48·29
		Hajipore ...	1·21	10·42	9·12	10·52	11·05	Nil	42·32
		Paru ...	0·60		9·24	6·78	14·52	Nil	
		Mohua ...	0·57		12·67	9·99	10·30	Nil	
		Sinhar ...	0·20		11·29	7·32	15·15	Nil	
		Pupri ...	Nil	9·92	16·98	12·15	8·55	Nil	47·60
	Chumparun	Motihari ...	0·52	22·79	24·82	7·50	18·16	0·38	74·17
		Bettiah ...	1·27	13·88	16·65	6·39	13·37	Nil	51·56
		Bagaha ...	2·35	15·71	21·79	14·94	13·95	Nil	68·74
		Burhurwa ...	2·10	12·81	15·50	8·50	12·43	Nil	51·34
	Sarun ...	Gopalgunge ...	2·01	6·55	9·62	4·84	12·11	Nil	35·13
		Sewan ...	1·11	12·53	10·99	9·63	8·37	Nil	42·63
		Chuprah ...	0·27	7·76	13·88	7·58	10·04	Nil	39·53
South Behar.	Shahabad ...	Buxar ...	0·19	9·81	16·89	11·09	6·00	1·02	45·00
		Dehree ...	0·25	6·27	7·22	19·21	7·00	2·34	42·29
		Bhubooah ...	0·20	1·90	10·55	16·05	6·85	1·11	36·66
		Sasseram ...	0·21	3·10	6·30	15·26	3·07	1·03	28·97
		Arrah ...	0·90	8·28	13·58	13·68	5·15	0·92	42·51
		Mohaniah ...	Nil	2·80		7·00	6·55	1·80	
	Gya ...	Aurungabad ...	0·93	3·99	9·22	17·03	3·46	0·41	35·04
		Gya ...	N1	12·05	10·75	10·66	5·16	1·10	39·72
		Nowadah ...	0·14	11·49	10·87	11·01	4·86	1·16	39·53
		Jehanabad ...	0·27	7·17	8·04	12·68	4·50	0·35	33·01
		Arwal ...	0·30	5·75	14·15	9·09	4·66	0·07	34·02
		Daudnagar ...	0·50	4·22	8·11	10·20	3·66	Nil	26·69
		Sherghati ...	0·25	9·10	6·50	6·63	5·41	1·40	29·29
		Rajauli ...	0·10	3·82	6·60	3·80	3·10	0·20	17·12
		Pakri Barawan ...	1·70	9·46	11·48	4·95	4·31	Nil	31·90
	Patna ...	Patna ...	2·89	14·29	8·84	9·49	15·70	0·05	51·26
		Dinapore ...	0·74	10·31	13·57	10·22	10·40	0 04	45·28
		Behar ...	1·58	11·63	10·45	11·40	5·48	0·36	40·90
		Barrh ...	2·96	8·29	12·21	7·07	4·79	0·41	35·73
		Bickram ...	0·60	6·60	13·86	15·55	6·35	Nil	42·96
		Hilsa ...	2·83	11·05	6·83	8·12	6·18	0·08	35·09
	Monghyr ...	Beegooserai ...	2·51	5·81	15·27	6·81	16·67	0·45	47·52
		Monghyr ...	0·74	10·24	8·07	11·08	11·54	Nil	41·67
		Jamui ...	2·01	10·80	10·58	6·79	9·09	Nil	39·27
		Gogri ...	1·35	12·05	13·92	18·17	13·70	Nil	59·19
		Sheikpura ...	0·60	10·31	14·12	11·27	7·02	Nil	43·32
	South Bhagulpore.	Bhagulpore ...	1·61	13·94	11·20	8·30	9·97	Nil	45·02
		Banka ...	1·27	10·36	10·01	5·44	10·54	0·16	38·08
		Kolgong ...	3·91	10·53	9·67	11·38	11·26	0·20	46·95
		Bangaon ...	?	?	11·20	15·45	14·71	Nil	

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	Tot
South Behar —*concluded.*	Sonthal Pergunnahs.	Rajmehal ...	1·65	14·03	12·52	12·66	17·02	1·72	59
		Godah ...	4·90	16·16	8·55	4·25	11·91	2·54	48
		Pakour ...	2·25	12·48	21·15	9·43	20·14	7·45	72
		Nya Doomka ...	4·16	11·01	17·49	8·56	8·71	4·29	54
		Deoghur ...	0·57	5·67	11·35	8·22	10·13	2·47	38
		Jamtara ...	0·56	9·23	10·69	8·66	10·06	2·27	41
		Mohagama ...	1·05	12·47	13·21	8·81	20·09	1·60	57
		Nanihat ...	1·23	5·78	4·98		4·02	0·79	
Chutia Nagpur.	Hazaribagh	Pachamba (*Giridi*)	1·76	8·40	7·73	13·09	5·29	0·90	37
		Hazaribagh ...	0·83	10·06	12·23	13·51	7·72	3·26	47
		Semtagurah ...	1·15	6·70	12·04	6·53	7·53	1·14	3
		Mahudi Hills ...	2·24	14·48	10·54	10·88	9·26	1·61	4
		Jhoomra Hills ...	1·10	10·80	9·80	10·90	7·70	0·50	4
		Barhi ...	0·43	6·56	8·27	6·05	7·54	2·21	3
		Chatra ...	1·45	12·47	13·04	9·96	4·05	4·36	4
		Karagdeha ...	1·10	12·90	6·70	6·15	8·70	0·70	3
		Ramghar ...	Nil				11·97	7·31?	
	Lohardugga	Lohardugga ...	0·70	8·12	7·61	15·87	9·86	2·63	4
		Ranchee ...	0·72	10·32	18·53	10·10	8·33	3·76	5
		Palamow ...	1·69	5·86	7·49	7·33	6·65	4·53	3
		Silli ...	1·60	6·70	3·30	12·40	7·80		
		Balumat ...				7·07	3·99	2·95	
		Hosseinabad ..	0·31		13·22	18·13	6·90	1·80	
		Garwah ...	0·65		4·75	11·68	2·60	5·59	
	Singbhoom	Chyebassa ...	1·96	16·37	8·79	12·55	2 81	3·84	4
		Chakradharpore ...	2·53	7·15	7·79	11·04	7·50	2·13	3
		Ghatsilla ...	0·95	11·82	10·47	20·03	7·38	3·06	5
		Baharagura ...	1·97	12·83	8·77	9·77	13·03	4·43	5
	Manbhoom	Purulia ...	1·98	11·19	10·87	8·26	7·44	1·22	4
		Gobindpore ...	1·43	8·20	8·36	6·13	6·90	0·57	3
		Raghunathpore ...	1·55	6·75	13·06	9·97	7·79	0·52	3
		Barrabhoom ...	2·39	9·40	12·44	9·61	5·73	0·46	4
		Jhalda ...	0·89	16·93	6·19	19·65	5·01	0·78	4
		Chas ...	0·29	16·89	11·19	14·93	10·52	1·76	5

TABLE V.

Variation of the Sub-Divisional actual Monthly Rainfall from the normal average for the months of May to October 1889.

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	Total.
Orissa	Pooree	Pooree	−1·60	+4·75	+0·67	+10·23	−5·30	+4·96	+13·71
		Khurdah	−2·22	+5·73	+2·53	+2·72	−2·13	+5·25	+11·88
		Banpur	−0·95	+0·45	+0·97	+2·86	−4·46	+6·61	+5·48
		False Point	−2·50	+6·26	−2·67	+2·19	−5·04	+0·03	−1·73
	Cuttack	Jagatsingpore	−0·65	+1·25	+13·35	+0·61	−4·06	+5·33	+15·83
		Banki	−1·54	+2·12	−4·86	+4·19	−6·07	+4·39	−1·77
		Cuttack	+0·02	+8·10	+0·33	+2·95	−4·11	+3·39	+10·68
		Kendrapara	−1·12	+4·59	+4·81	+1·77	−3·68	+2·56	+8·93
		Jajpore	+0·47	+3·03	−2·91	−3·05	−5·20	+1·91	−5·75
	Balasore	Chandbali	−1·46	−2·27	−3·51	−1·78	−1·71	+2·23	−8·50
		Bhuddruck	+0·19	−0·75	−0·47	+0·92	−2·57	+0·30	−2·38
		Sorah	+0·02	−2·16	−3·35	−3·03	−5·33	+1·70	−12·15
		Balasore	−0·52	−5·52	−7·41	−1·27	−8·26	+5·70	−17·28
		Jellasore	−2·44	+0·45	−11·51	−2·78	−5·65	+4·68	−17·25
		Baripodah	−0·67	+4·12	−3·13	+1·68	−6·27	+1·20	−3·07
	Midnapore	Contai	−2·65	+1·18	−8·70	−1·08	−2·31	−2·27	−15·83
		Saugor Island	−2·34	+1·53	−6·96	−5·31	−7·60	+1·85	−18·83
		Tumlook	−3·10	+2·58	−3·05	−2·06	−3·23	+2·91	−5·95
		Midnapore	−2·68	−0·33	−6·05	+0·54	−1·09	−2·60	−12·21
		Ghattal	−1·46	−1·62	−5·35	−4·64	−3·41	+0·97	−15·51
		Garbetta	−1·08	+6·66	−1·37	−6·96	−2·80	−1·89	−7·44
	24-Pergunnahs	Diamond Harbour	+0·09	+8·58	−4·38	−1·54	−5·49	+0·80	−1·94
		Alipore Jail	−1·37	+2·94	−0·39	−5·70	−4·52	+0·28	−8·76
		Barrackpore	−3·55	+4·53	−2·97	−4·22	+2·06	+3·41	−0·74
		Dum-Dum	−3·49	+9·76	−3·20	+0·53	−0·83	+3·56	+6·33
		Baraset	−3·73	+5·07	+0·61	−2·41	−3·15	+4·27	+0·36
		Buseerhat	−4·59	+3·03	−0·13	−4·24	−0·69	+8·31	+1·69
	Howrah	Howrah	−2·89	+7·28	−0·23	−3·41	−1·82	+2·40	+1·33
		Mohesreka (*Oolooberiah*).	−4·42	+2·29	+3·21	−1·02	−3·76	+2·02	−1·68
South-West Bengal.	Hooghly	Serampore	−2·97	+4·24	−2·70	−2·81	−0·42	+4·65	−0·01
		Hooghly	−3·85	−2·18	−4·19	−5·70	−0·86	−1·34	−18·12
		Jehanabad	−3·54	+4·45	−3·91	−8·81	−5·05	−2·63	−19·49
	Burdwan	Culna	−2·06	+2·99	−5·31	−6·19	+1·01	−1·63	−11·19
		Burdwan	−0·69	+2·37	−2·67	−6·99	+1·27	−2·96	−9·67
		Cutwa	−3·47	−2·58	−3·34	−4·88	−2·19	−1·34	−17·80
		Raneegunge	+1·93	+4·40	−1·13	−3·76	−0·11	−2·73	−1·40
	Bankoora	Bankoora	+0·38	+4·70	−2·59	−3·76	−1·97	−1·46	−4·70
		Bishenpore	−1·79	+5·57	+0·56	−8·19	+0·56	+3·37	+0·08
		Maliara	−0·64	+5·58	−4·26	−6·64	+3·31	.....	.....
		Khatra	−1·28	+11·50	−1·86	−2·12	−0·30	−1·79	+4·15
		Raipur	−2·86	+9·40	+3·14	−6·99	−4·24	+2·32	+0·77
	Beerbhoom	Bh. Scory	+0·61	+2·59	−1·03	−1·25	+2·14	−0·50	+2·56
		Hetampore	+2·02	+2·38	−5·98	−6·97	−2·64	−1·00	−12·19
		Rampore Haut	−0·55	+1·85	−0·90	−6·08	+1·58	−3·05	−7·15
	Nuddea	Ranaghat	−2·91	+4·08	−1·74	−0·97	+4·03	+0·64	+3·13
		Kishnaghur	−5·93	+0·84	−1·72	−6·68	−2·73	+0·30	−15·95
		Chooadanga	−5·90	−0·03	−1·93	−5·45	+0·16	−0·63	−13·78
		Meherpore	−2·77	+1·09	−2·95	−1·39	+3·58	+2·58	+0·23
		Kooshtea	−4·23	+3·51	−0·91	−2·82	+0·98	−2·82	−6·29

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.
South-West Bengal —*concld.*	Khoolna ...	Satkhira ...	—4·47	—0·77	—2·03	—3·07	—2·18	+4·90
		Bagirhat ...	—5·81	+1·32	—4·00	—3·49	—4·47	+5·43
		Khoolna ...	—5·89	—1·26	—3·44	—2·90	+1·33	+7·32
	Jessore ...	Narail ...	—3·37	+0·33	+0·10	—2·15	—1·81	+4·05
		Jessore ...	—5·26	+5·05	—2·05	—4·59	+0·43	+2·62
		Jhenidah ...	—3·40	—2·12	—2·32	—4·00	+1·08	—0·08
		Magoora ...	—3·99	+4·11	—0·71	—1·11	—5·53	+3·46
		Bongong ...	—4·45	+0·09	—0·02	—7·31	—3·87	+5·21
	Moorshedabad ...	Kandi ...	+0·42	+6·76	—3·05	—2·84	+0·88	—3·19
		Berhampore ...	+2·87	+0·64	—3·04	—4·24	—0·36	—3·89
		Lalbagh ...	+0·58	—3·02	+1·64	—5·35	—0·86	—1·83
		Azimgunge ...	+0·23	—0·10	+0·21	—6·86	+3·18	—4·32
		Jungipore ...	—1·53	+4·38	+2·33	—5·64	+4·76	—1·30
		Lalgola ...	—0·71	+8·27	+2·58	—5·84	+4·25	—1·93
	Chittagong ...	Cox's Bazar ...	—4·36	—7·78	+2·78	+9·13	+8·12	—0·41
		Chittagong ...	—4·29	—4·46	—10·90	+3·91	—0·14	—2·19
	Chittagong Hill Tracts.	Rangamati ...	—3·86	—4·29	—2·64	—4·49	—4·19	—5·25
		Ruma ...	—3·98	—5·48	—2·70	—1·90	—1·11	—0·07
	Backergunge	Patuakhally ...	—2·59	—0·52	—1·30	+1·49	—2·39	+1·92
		Perozepore ...	—4·43	+5·23	—3·37	—3·07	—6·81	+11·30
		Burrisal ...	—4·65	+3·73	—4·57	+2·92	—2·06	+4·29
		Bhola ...	—2·98	—0·76	—3·83	—2·12	+0·10	+1·40
	Noakholly ...	Noakholly ...	—3·37	+1·74	—0·74	—0·09	+1·93	—0·87
		Fenny ...	—5·55	—10·08	+4·19	—9·42	—6·06	—3·20
East Bengal.	Furreedpore	Madaripore ...	—5·58	+4·67	—3·07	—1·43	—2·19	+5·88
		Furreedpore ...	—5·51	+6·25	+0·12	—0·34	—2·49	—0·23
		Goalundo ...	+0·09	+6·29	—2·49	—2·29	—3·06	—0·82
	Dacca ...	Munshigunge ...	—0·63	+4·12	—1·73	—1·48	—3·66	+3·82
		Dacca ...	—2·05	+10·86	+1·65	—0·42	—1·45	+2·21
		Naraingunge ...	+3·43	+7·15	—2·03	+5·17	—1·45	+4·04
		Manickgunge ...	—1·42	+8·27	+2·93	+0·90	—1·89	+1·67
	Hill Tiperah ...	Agartola ...	—3·22	—2·03	—7·19	—8·98	—2·69	+3·92
	Tipperah ...	Comilla ...	—3·14	+3·49	—7·60	—9·93	—2·10	+2·20
		Chandpore ...	—5·47	—4·71	—3·96	—6·53	—0·21	+5·02
		Brahmunberia ...	—5·02	+1·13	—0·90	—9·75	—3·40	+2·73
	Mymensingh	Kishoregunge ...	—3·92	+2·20	+0·26	—0·53	+0·33	—0·30
		Atia (*Tangail*) ...	+6·07	+4·03	+0·09	—0·37	—2·27	—2·11
		Mymensingh ...	—4·68	+4·32	+4·32	+6·19	+2·22	+2·78
		Jamalpore ...	—4·29	+12·28	+1·03	—1·74	+8·04	+0·81
		Netrokona ...	—2·09	+19·65	+15·13	+6·08	+2·45	+5·82
North Bengal.	Pubna ...	Pubna ...	—3·17	+3·73	—3·51	—5·61	—1·24	—2·76
		Serajgunge ...	+0·41	+2·40	+0·05	—1·29	—2·02	+3·91
	Bogra ...	Sherpore ...	—5·79	+6·41	—1·85	+2·72	+1·73	—0·35
		Nowkhilla ...	—3·02	+8·47	—2·75	—2·66	+7·84	—3·52
		Bogra ...	—7·64	+9·07	—0·43	—4·01	+7·50	—3·19
		Panchbibi ...	—6·99	+17·00	—4·04	—5·49	+7·02	+0·08
	Rajshahye ...	Beauleah ...	—3·31	+4·74	—2·10	—6·55	+0·89	—2·79
		Nattore ...	—6·23	+11·73	+2·25	—5·12	—1·81	—2·26
		Naogaon ...	—5·53	+6·77	—0·60	—2·52	+5·62	+0·65
	Maldah ...	Maldah ...	—2·59	+1·08	—2·40	—4·56	+8·93	—0·40
		Chanchal ...	—4·67	—6·61	—3·21	—11·48	+1·73	—2·73

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	Total.
North Bengal—*concld.*	Dinagepore	Mohadebpore ..	—6·15	+7·26	—2·20	—6·13	+3·03	—0·36	—4·55
		Churamon ...	—4·94	—2·86	+2·02	—3·33	+6·51	—2·48	—5·08
		Raigunge .	—6·29	—0·15	—1·27	—1·03	+4·00	—2·29	—7·03
		Dinagepore ...	—6·88	+6·89	—3·17	—0·61	+5·60	—4·30	—2·47
		Baloorghat ...	—4·88	+7·68	—1·93	—2·51	+11·03	+1·13	+10·52
	Rungpore ...	Bhawanigunge (*Gyabanda*).	—4·06	+21·17	+1·07	+1·25	+7·68	—3·12	+23·99
		Rungpore ..	—8·06	+8·96	+0·76	—1·11	—1·28	—3·16	—3·89
		Kurigram ...	—7·68	+12·24	+3·45	—1·13	+10·97	—4·18	+13·37
		Bagdogra (*Nilphamari*).	—9·94	+3·62	+8·49	+4·28	—0·80	—3·13	+3·02
	Julpigoree ...	Julpigoree ...	—4·92	+4·69	+12·32	—2·74	—3·47	—3·90	+1·98
	Cooch Behar	Dinhatta ...	—5·36	—2·28	+4·92	—1·61	+3·74	—2·82	—3·41
		Cooch Behar ...	—3·97	—8·65	+19·12	+8·67	—5·27	—2·76	+7·14
		Mickligunge ...	—9·31	+9·23	+13·18	+6·83	—6·36	—2·87	+10·70
		Matabhanga ...	—2·03	—7·05	+27·87	—0·18	—11·20	—3·61	+3·80
	Darjeeling Hill.	Buxa ...	—3·23	—6·48	+23·44	—4·90	—6·73	—3·67	—1·57
		Siliguri ...	—4·96	+6·77	+16·45	—3·69	+5·97	—1·34	+19·20
		Darjeeling ...	—2·28	+7·33	+25·25	—6·37	—3·24	—3·51	+17·18
		Kalimpong ...	—1·44	+8·81	+11·85	—6·18	—0·39	—1·13	+11·52
	Purneah ...	Kissengunge ...	—3·24	+16·42	+13·75	—3·89	+11·24	—2·84	+31·44
		Arrareah ...	—4·53	+13·68	+3·45	+1·40	+3·89	—3·33	+14·56
		Purneah ..	—3·61	+1·55	+5·44	—5·20	+5·41	—2·25	+1·34
	North Bhagulpore.	Maddapore ...	—2·66	+6·04	+5·29	—3·22	+7·15	—2·87	+9·73
		Soopool ...	—2·94	+5·54	+4·21	+8·08	+6·66	—2·58	—18·97
	Durbhunga	Tajpore ...	—2·80	+4·36	—2·21	—2·33	+2·69	—2·88	—3·17
		Durbhunga ..	—2·41	+3·04	+2·35	+1·67	+1·87	—2·28	+4·24
		Madhubani ...	—0·14	+5·60	+4·73	+2·19	+8·04	—2·48	+17·94
	Mozufferpore	Sitamarhi ...	—2·32	+5·88	+7·61	+2·00	+1·47	—2·65	+11·99
		Mozufferpore ...	—1·91	+9·96	+0·85	—4·85	+5·65	—2·87	+6·83
		Hajipore ...	—0·82	+3·88	—3·09	—0·12	+3·95	—3·76	+0·04
	Chumparun	Motihari ..	—1·92	+14·54	+13·86	—4·73	+9·47	—3·18	+28·04
		Bettiah ...	—1·39	+5·53	+3·66	—5·73	+4·05	—3·38	+2·74
	Sarun ...	Gopalgunge ...	—0·70	+0·13	—3·18	—5·91	+5·18	—5·01	—9·49
		Sewan ...	—0·69	+5·87	—0·69	—1·26	—0·46	—3·81	—1·04
		Chuprah ...	—1·17	+1·59	+3·53	—1·77	+2·83	—2·93	+2·08
South Behar.	Shahabad ...	Buxar ...	—0·80	+5·05	+5·82	+1·03	—1·43	—2·18	+7·49
		Dehree ...	—1·40	+3·07	—4·43	+7·72	—0·78	—0·64	+3·54
		Bhubooah ...	—0·92	—3·16	—1·82	+4·05	+0·15	—2·00	—3·70
		Sasseram ..	—0·91	—1·30	—5·28	+3·01	—3·88	—2·45	—11·41
		Arrah ...	—0·63	+1·83	+0·96	+3·33	—3·20	—2·02	+0·27
	Gya ...	Aurungabad ...	—0·70	—1·22	—3·17	+4·05	—3·69	—2·23	—6·96
		Gya ...	—1·25	+5·92	—0·56	+0·05	—1·99	—1·24	+0·93
		Nowadah ...	—1·77	+6·13	—1·00	—0·47	—1·98	—1·34	—0·43
		Jehanabad ...	—1·38	+2·26	—4·19	—0·22	—1·22	—2·98	—7·73
	Patna ...	Patna ...	+1·15	+7·57	—1·76	—0·51	+7·83	—2·76	+11·52
		Dinapore ...	—0·91	+3·91	+1·86	—1·28	+3·78	—2·96	+4·40
		Behar ...	—0·58	+5·46	—2·59	+0·07	—0·90	—2·70	—1·24
		Barrh ...	+0·64	+3·41	—0·52	—2·72	—3·09	—2·62	—4·91
	Monghyr ...	Beegooserai ...	+0·16	—0·20	+3·88	—3·52	+9·38	—2·55	+7·15
		Monghyr ...	—1·38	+3·65	—3·65	+0·36	+3·10	—3·81	—1·73
		Jamui ...	—0·12	+4 45	—1·72	—5·35	+1·80	—2·53	—3·47

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	To
South Behar —*concld.*	South Bhagulpore.	Bhagulpore ...	—1·06	+5·80	—0·36	—2·50	+2·05	—3·93	
		Banka ...	—1·30	+2·86	—0·41	—6·11	+2·51	—2·97	—
	Sonthal Pergunnahs.	Rajmehal ...	—3·28	+4·01	—0·39	+2·03	+5·16	—1·31	+
		Godda ...	+1·35	+9·46	—2·66	—7·70	+2·38	—0·40	+
		Pakour ...	—2·67	+1·82	+8·28	—4·03	+7·61	+3·28	+1
		Nya Doomka ..	+0·53	+2·22	+4·00	—5·51	—1·56	+0·41	+
		Deoghur ..	—2·44	—2·45	—2·29	—4·15	+1·59	—1·89	—1
		Jamtara ...	—2·83	+1·33	—2·85	—4·58	+2·23	—0·76	—
Chutia Nagpur.	Hazaribagh	Pachamba ...	—0·49	+0·56	—5·56	+0·15	—3·37	—2·31	—1
		Hazaribagh ...	—0·89	+2·12	—0·78	+0·37	—0·10	—0·03	+
		Semtagurah ...	—1·57	—1·00	—0·81	—6·28	—0·55	—1·82	—1
		Mahudi Hills ...	+0·03	+7·90	—1·88	—3·81	+0·35	—0·94	+
		Jhoomrah Hills	—2·06	+1·02	—7·50	—6·95	—3·61	—2·74	—2
	Lohardugga	Lohardugga ...	—2·19	+0·45	—5·40	+2·19	+0·19	+0·32	—
		Ranchee ...	—1·64	+2·68	+6·11	—2·17	+0·14	+0·71	+
		Palamow ...	+0·34	—0·05	—5·42	—4·70	—1·30	+1·87	—
	Singbhoom ...	Chyebassa ...	—1·86	+8·36	—5·21	—1·23	—5·57	+0·90	—
	Manbhoom...	Purulia ...	—0·78	+2·42	—0·57	—4·70	—0·36	—2·38	—
		Gobindpore ...	—0·57	+1·20	—3·51	—6·36	—0·32	—3·43	—1

TABLE VI.

Percentage variation of the monthly Rainfall of the Sub-divisional Rainfall-registering Stations in Bengal, from the normal average rainfall for the months of May to October 1889.

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	Total.
Orissa	Pooree	Pooree	— 60	+ 63	+ 7	+ 94	—53	+ 62	+28
		Khurdah	— 66	+ 63	+ 20	+ 22	—20	+ 80	+22
		Banpur	— 44	+ 60	+ 9	+ 24	—48	+112	+12
		False Point	— 69	+ 70	— 19	+ 16	—45	+ 0	— 3
	Cuttack	Jagatsingpore	— 24	+ 17	+122	+ 44	—47	+ 82	+33
		Banki	— 71	+ 22	— 40	+ 44	—62	+108	— 4
		Cuttack	+ 1	+ 77	+ 3	+ 25	—42	+ 62	+20
		Kendrapara	— 29	+ 54	+ 41	+ 13	—40	+ 43	+17
		Jajpore	+ 11	+ 32	— 22	— 26	—52	+ 37	—11
	Balasore	Chandbali	— 30	— 31	— 21	— 15	—25	+ 37	—10
		Bhuddruck	+ 30	— 9	— 4	+ 8	—28	+ 7	— 5
		Soorah	0	— 33	— 28	— 26	—48	+ 32	—24
		Balasore	— 10	— 56	— 62	— 10	—65	+ 86	—29
		Jellasore	— 67	+ 6	— 76	— 24	—54	+108	—33
		Baripodah	— 13	+ 42	— 24	+ 14	—53	+ 31	— 6
South-West Bengal.	Midnapore	Contai	— 60	+ 11	— 60	— 8	—20	— 28	—25
		Saugor Island	— 52	+ 14	— 44	— 33	—61	+ 20	—29
		Tumlook	— 65	+ 29	— 25	— 14	—39	+ 69	—11
		Midnapore	— 50	— 3	— 45	+ 4	—13	— 53	—21
		Ghatal	— 28	— 17	— 39	— 29	—38	+ 29	—27
		Garbetta	— 26	+ 99	— 10	— 45	—30	— 71	—14
	24-Pergunnahs.	Diamond Harbour	+ 2	+ 92	— 30	— 10	—50	+ 16	— 3
		Alipore Jail	— 26	+ 30	— 3	— 40	—46	+ 7	—15
		Barrackpore	— 69	+ 51	— 24	— 34	+28	+102	— 1
		Dum-Dum	— 59	+102	— 26	+ 4	—10	+ 83	+12
		Baraset	— 64	+ 52	+ 5	— 19	—35	+ 98	+ 1
		Buseerhat	— 72	+ 28	— 1	— 32	— 8	+196	+ 3
	Howrah	Howrah	— 57	+ 68	— 2	— 26	—20	+ 58	+ 2
		Mohesreka (*Oolooberiah.*)	— 73	+ 27	+ 24	— 7	—46	+ 61	— 3
	Hooghly	Serampore	— 60	+ 45	— 21	— 22	— 5	+113	0
		Hooghly	— 68	— 21	— 34	— 44	—11	— 34	—34
		Jehanabad	— 70	+ 48	— 30	— 54	—54	— 63	—34
	Burdwan	Culna	— 43	+ 36	— 47	— 51	+15	— 44	—24
		Burdwan	— 14	+ 25	— 22	— 57	+15	— 67	—19
		Cutwa	— 65	— 26	— 32	— 39	—27	— 35	—35
	Bankoora	Bankoora	+ 11	+ 49	— 20	— 30	—23	— 32	— 9
		Bishenpore	— 36	+ 59	+ 5	— 51	+ 6	+140	0
		Maliara	— 19	+ 65	— 30	— 46	+53		
		Khatra	— 37	+112	— 12	— 15	— 3	— 46	+ 7
		Raipur	— 67	+ 12	+ 27	— 52	—45	+ 68	+ 1
	Beerbhoom	Bh. Soory	+ 18	+ 26	— 8	— 9	+22	— 14	+ 5
		Hetampore	+ 62	+ 22	— 42	— 53	—26	— 37	—22
		Rampore Haut	— 16	+ 20	— 8	— 45	+14	— 83	—14
		Raneegunge	+ 62	+ 53	— 8	— 27	— 1	— 84	— 3
	Nuddea	Ranaghat	— 57	+ 43	— 16	— 7	+58	+ 17	+ 6
		Kishnaghur	— 92	+ 9	— 17	— 59	—35	+ 7	— 3
		Chooadanga	— 75	0	— 19	— 44	+ 2	— 14	—26
		Meherpore	— 46	+ 12	— 29	— 10	+45	+ 73	0
		Kooshtea	— 60	+ 33	— 8	— 24	+10	— 60	—11

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	Total
South-West Bengal—*concld.*	Khoolna ...	Satkhira ...	—75	— 6	—15	—25	—25	+110	—
		Bagirhat ...	—88	+10	—27	—27	—46	+108	—
		Khoolna ..	—93	—10	— 28	— 24	+ 14	+106	—
	Jessore ...	Narail ...	—5	+3	+1	—20	— 26	+129	—
		Jessore ...	—71	+38	—18	—39	+5	+49	—
		Jhenidah ...	—53	—17	—24	—31	+12	—2	—
		Magoora ...	— 50	+35	—7	—11	—69	+98	—
		Bongong ...	—78	+1	0	—56	—46	+113	—
	Moorshedabad.	Kandi ...	+9	+72	—24	—24	+10	—86	—
		Berhampore ...	+59	+7	—29	—39	—4	—75	—
		Lalbagh ...	+12	—34	+15	— 42	—8	—43	—
		Azimgunge ...	+5	—1	+2	—54	+33	— 88	—
		Jungipore	—31	+51	+21	—48	+45	—37	+
		Lalgola ...	—13	+91	+23	— 51	+44	—47	+
East Bengal.	Chittagong...	Cox's Bazar ...	—42	—23	+7	+33	+55	—5	—
		Chittagong ...	—47	—19	—5	+18	—1	—36	—
	Chittagong Hill Tracts.	Rangamati ...	—39	—24	—14	—24	—33	—77	—
		Ruma ..	—45	—28	—17	—12	—9	—1	—
	Backergunge	Patuakhally ...	—32	—2	—6	+8	—19	+31	
		Perozepore ...	— 65	+33	—20	—20	—61	+206	
		Burrisal ...	—61	+23	—27	+22	—18	+92	
		Bhola ..	—44	—4	—21	—11	+1	+22	—
	Noakholly ...	Noakholly ...	—35	+7	—3	0	+11	—11	
		Fenny ...	—53	— 38	+18	—39	—38	—53	—
	Furreedpore	Madaripore ...	—63	+35	—24	—12	—26	+146	
		Furreedpore ...	—65	+49	+1	—3	—26	— 5	
		Goalundo ..	+1	+57	—21	—11	—38	—18	
	Dacca ...	Munshigunge ...	—7	+25	—11	—10	—30	+73	
		Dacca ...	—23	+84	+13	—3	—15	+43	+
		Naraingunge ...	+45	+55	—13	+45	—14	+104	+
		Manickgunge ...	—16	+86	+24	+8	—24	+44	+
	Hill Tipperah..	Agartola ...	—29	—14	—62	—65	—27	+88	—
	Tipperah ...	Comilla ...	—30	+14	—42	—60	—18	+42	
		Chandpore ...	—60	—27	—26	—33	—2	+83	
		Brahmanberia ...	—46	+7	—8	—75	—29	+58	
	Mymensingh	Kishoregunge ...	—36	+11	—2	— 4	+3	—5	
		Atia ...	+88	+32	+1	—3	—24	—43	
		Mymensingh ...	— 39	+21	+21	+43	+16	+52	
		Jamalpore ..	—47	+81	+8	—13	+58	+17	
		Netrokona ...	—18	+107	+111	+38	+18	+96	
North Bengal.	Pubna ...	Pubna ...	—47	+32	—33	— 44	—11	—60	
		Serajgunge ...	+5	+22	0	—11	—21	+91	
	Bogra ...	Sherpore ...	—68	+55	—15	+22	+17	— 9	
		Nowkhilla ..	—38	+67	—24	— 24	+83	—74	
		Bogra ...	—89	+59	—2	—33	+65	—70	
		Panchbibi ...	—91	+154	—33	—48	+67	+2	
	Rajshahye ...	Beauleah ...	—56	+45	—18	—61	+8	—59	
		Nattore ...	—92	+118	+10	—42	—15	—53	
		Naogaon ...	—88	+304	—6	—27	+131	+29	
	Maldah ...	Maldah ...	—66	+11	—22	—44	+83	—10	
		Chanchal ...	—97	—56	—26	—86	+17	— 90	

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	Total.
North Bengal—concluded.	Dinagepore	Mohadebpore ...	−90	+60	−20	−46	+27	−11	−8
		Churamon ...	−96	−24	+17	−30	+54	−94	−9
		Raigunge ...	−98	−1	−10	−8	+39	−64	−12
		Dinagepore ...	−94	+41	−21	−5	+44	−91	−3
		Baloorghat ..	−75	+67	−19	−27	+116	+34	+21
	Rungpore ...	Bhawanigunge (*Gyabanda*) ...	−45	+135	+9	+12	+66	−65	+38
		Rungpore ...	−76	+43	+5	−9	−10	−64	−5
		Kurigram ...	−57	+51	+26	−13	+86	−100	+17
		Bagdogra (*Nilphamari*) ...	−84	+14	+63	+28	−2	−80	+3
	Julpigoree ...	Julpigoree ...	−43	+16	+47	−11	−15	−74	+2
	Cooch Behar	Dinhatta ...	−37	−8	+30	−10	+18	−59	−3
		Cooch Behar ...	−27	−24	+85	+41	−25	−53	+6
		Mickligunge ...	−77	+34	+62	+31	−28	−68	+9
		Matabhanga ...	−16	−22	+132	−1	−49	−69	+3
	Darjeeling Hill	Buxa ...	−15	−15	+49	−11	−21	−37	−1
		Siliguri ...	−52	+27	+66	−17	+43	−29	+19
		Darjeeling ...	−30	+31	+83	−24	−19	−58	+15
		Kalimpong ...	−24	+50	+54	−29	−4	−27	+14
	Purneah ...	Kissengunge ...	−50	+108	+83	−25	+82	−91	+44
		Arrareah ...	−27	+105	+22	+10	+29	−100	+22
		Purneah ...	−80	+14	+39	−36	+40	−60	+2
	North Bhagulpore.	Maddapore ...	−61	+72	+44	−28	+69	−66	+19
		Soopool ...	−74	+62	+37	+68	+71	−88	−39
North Behar.	Durbhunga	Tajpore ...	−123	+58	−18	−22	+33	−96	−7
		Durbhunga ...	−92	+38	+111	+15	+20	−81	+9
		Madhubani ...	−4	+66	+43	+20	+81	−100	+40
	Mozufferpore	Sitamarhi ...	−88	+75	+70	+21	+16	−100	+28
		Mozufferpore ...	−81	+146	+8	−47	+69	−100	+16
		Hajipore ..	−40	+59	−25	−1	−56	−100	0
	Chumparun	Motihari ...	−79	+176	+126	−39	+109	−89	+61
		Bettiah ...	−52	+66	+28	−47	+43	−100	+6
	Sarun ...	Gopalgunge ..	−26	+2	−25	−55	+75	−100	−21
		Sewan ...	−38	+88	−6	−12	−5	−100	−2
		Chuprah ...	−81	+26	+34	−19	+39	−100	+6
	Shahabad ...	Buxar ...	−81	+106	+53	+10	−19	−68	+20
		Dehree ...	−85	+96	−38	+67	−10	−21	+9
		Bhubooah ...	−82	−62	−15	+34	+2	−64	−9
		Sasseram ...	−81	−38	−46	+25	−56	−74	−28
		Arrah ...	−41	+28	+8	+32	−38	−69	+1
	Gya ...	Aurungabad ...	−43	−21	−26	+31	−52	−85	−17
		Gya ...	−100	+97	−5	0	−28	−53	+2
		Nowadah ...	−93	+114	−5	−4	−29	−54	−1
TH HAR.		Jehanabad ...	−84	+46	−34	−2	−21	−89	−17
	Patna ...	Patna ...	+66	+113	−17	−1	+99	−98	+29
		Dinapore ...	−55	+61	+16	−11	+57	−99	+11
		Behar ...	−27	+88	−20	+1	−14	−88	−3
		Barrh ...	+31	+70	−4	−28	−39	−86	−12
	Monghyr ...	Begooserai ...	+7	−3	+34	−34	+129	−85	+17
		Monghyr ...	−67	+55	−31	+3	+37	−100	−4
		Jamui ...	−6	+70	−14	−44	+25	−100	−8

Meteorological Division.	District.	Station.	May.	June.	July.	August.	September.	October.	Total
South Behar.—*concld.*	South Bhagulpore.	Bhagulpore ...	—40	+71	—3	—23	+26	—100	
		Banka ...	—51	+38	—4	—53	+31	—87	—1
	Sonthal Pergunnahs.	Rajmehal ...	—67	+40	—2	+19	+43	—43	+1
		Godda ...	+38	+141	—24	—64	+25	—14	+
		Pakour ...	—54	+17	+64	—30	+61	+79	+2
		Nya Doomka ...	+15	+25	+30	—39	—15	+11	
		Deoghur ...	—81	—30	—17	—34	+19	—43	—2
		Jamtara ...	—83	+17	—21	—35	+28	—25	—1
Chutia Nagpur.	Hazaribagh	Pachamba ...	—22	+7	—42	+1	—39	—72	—2
		Hazaribagh ...	—52	+27	—6	+3	—1	—1	+
		Semtagurah ...	—58	—13	—6	—49	—7	—61	—2
		Mahudi Hills ...	+1	+120	—15	—26	+4	—37	+
		Jhoomra Hills ...	—65	+10	—43	—38	—32	—85	—3
	Lohardugga	Lohardugga ...	—76	+6	—42	+16	+2	+14	—
		Ranchee ...	—69	+35	+49	—18	+2	+23	+
		Palamow ...	+26	—1	—42	—39	—16	+70	—2
	Singbhoom ...	Chyebassa ...	—49	+104	—37	—9	—66	+31	—
	Manbhoom	Purulia ...	—28	+28	—5	—34	—5	—66	—
		Gobindpore ...	—29	+17	—30	—51	—4	—86	—

Meteorological Office, Bengal,
The 26th November 1889.

A. PEDLER,
Meteorological Reporter to the Govt. of Benga

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 14th December 1889.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
BURDWAN DIVN. 1	Burdwan Dec. 14, '89	Nil	Weather—seasonable. Prospects of crops not very favourable. Outturn of winter rice is expected to be about eight annas. Price of common rice 13 to 17 seers per rupee.
2	Bankoora „ 14, '89	Nil	Weather—seasonable. Harvesting of *amun* going on. The outturn is expected to be about eleven annas on the average. *Rubbi* crops doing well. Rice is selling at 21 seers per rupee at Sudder.
3	Birbhum „ 14, '89	Nil	Weather—cool and seasonable. *Amun* rice is in excellent condition and is ripe for harvest. Sugarcane is thriving well. Price of common rice (new) has fallen, and is now selling at 15 seers per rupee at Soory and 19 seers at Rampore Hât.
4	Midnapur „ 14, '89	Nil	Weather—fine and cold. Weather favourable for harvesting, which is going on everywhere. *Rubbi* crops doing well. Prices have fallen rapidly throughout the district. Prices of rice :— Srs. Sudder ... ... 15 / Contai ... ... 18 / Tumluk ... ... 16 / Ghatal ... ... 15 } per rupee.
5	Hooghly „ 14, '89	Nil	Weather—fine and cool. Cold weather has set in completely. Harvesting of *amun* paddy has begun. Prospects of *rubbi* crops satisfactory. Prices of common rice :— Srs. Sudder ... ... 12 / Serampore ... ... 12 / Jehanabad ... ... 16 } per rupee.
	Howrah „ 14, '89	Nil	Weather—fine and cool. *Amun* crop is being harvested ; outturn good. Prices of common rice :— Srs. Howrah ... ... 12 / Uluberya ... ... 13½ } per rupee.
	Central Districts.		
PRESIDENCY DIVN. 6	24-Pergbs. Dec. 17, '89	Nil	Weather—fine. Prospects of crops continue favourable. *Amun* is being cut and is expected to yield a 16-anna crop. *Rubbi* somewhat damaged by late rain. Prices stationary.
7	Nuddea „ 14, '89	Nil	Weather—seasonable. *Amun* rice is yielding a fair outturn. Winter crops are doing well.
8	Khoolna „ 14, '89	Nil	Weather—seasonable. *Amun* harvest is in progress ; outturn expected to be about 13 annas. Prospects of winter crops fair.
9	Jessore „ 14, '89	Nil	Weather—seasonable. Harvesting of *amun* in progress. Sowing of winter crops still going on in places. Prospects fair. The extent of sowing of linseed is estimated at 10 annas. Rice sells cheaper.
10	Moorshedabad „ 14, '89	Nil	Fine cold weather. *Amun* is being harvested and threshed. *Rubbi* crops promising well.
RAJSHAHYE DIVN. 11	Dinagepur „ 14, '89	Nil	Weather—fine and now cool. Fogs continue. Prospects of crops continue good. Harvesting of rice going on. Common rice sells at 17 seers per rupee.
12	Rajshahye „ 14, '89	Nil	Weather—cold. Harvesting of *amun* going on vigorously. Prospects of standing crops good. Rice selling now at 14 seers 12 chittacks per rupee.
13	Rungpur „ 14, '89	Nil	Weather—seasonably cold. Harvesting of *amun* rice continues. A full average outturn is expected. Prospects of other crops generally good. Prices falling.
14	Bogra „ 14, '89	Nil	Weather—seasonable. The harvesting of winter rice is going on. The expected outturn is 17 annas. All other crops are doing well. Common rice is selling at 18 seers a rupee.
15	Pubna „ 14, '89	Nil	Weather—seasonable. Harvesting of *amun* continues ; outturn good in the Serajgunge subdivision, moderate elsewhere. Sugarcane crop deficient. Prospects of cold-weather crops satisfactory except for damage to mustard, *kalai*, &c., by late rain. Re-sowing of wheat and pulse going on to some extent. Prices of food-grains still high.
16	Darjeeling „ 14, '89	Nil	Weather—misty and cold. The estimated outturn of *haimanti* paddy at Kalimpong is about 14 annas ; in Terai about 4 annas of this paddy have been cut, and the estimated outturn will be given in the next report. General prospects good.
17	Julpigoree „ 14, '89	Nil	Weather—cool and fair. Cutting of *haimanti* paddy in full swing. Transplanting of tobacco finished. *Rubbi* crops doing well, and prospects good. Prices falling.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.—*concluded.*			
	Eastern Districts.		
Dacca Divn.			
18	Dacca Dec. 14, '89	Nil	Weather—cool and fine. *Amun* paddy is being harvested. Sowing of *rubbi* crops continues, but prospects are not very favourable. Fodder is available. Prices of food-grains falling.
19	Furreedpur „ 14, '89	Nil	Weather—seasonable. Re-sowing of *rubbi* crops completed. *Amun* rice is being harvested.
20	Backergunge „ 14, '89	Nil	Weather—cool and fair. Prospects of crops good. Harvesting of *amun* going on. Price of rice has fallen.
21	Mymensingh „ 14, '89	Nil	Weather—seasonable. Harvesting of *amun* paddy still continues. Prospects of winter crops good.
Chittagong Divn.			
22	Chittagong „ 14, '89	Nil	Weather—seasonable. Harvesting of *amun* going on. Prospects of winter crops fair. Prices falling.
23	Noakholly „ 14, '89	Nil	Weather—seasonable. Harvesting of *amun* rice continues. *Rubbi* crops are being sown. Price of rice 17 seers per rupee in the Fenny subdivision.
24	Tipperah „ 14, '89	Nil	Weather—seasonable. *Amun* paddy is being cut. The winter crops are doing well.
25	Chittagong Hill Tracts. „ 13, '89	Nil	Weather—cool with foggy mornings throughout the week. Gathering of late plough-paddy commenced. Mustard, tobacco, and chillies progressing.
	Hill Tipperah „ 14, '89	Nil	Weather—seasonably cold. *Amun* paddy has begun to be reaped. Cotton and oil-seeds continue to be gathered. In the plains, caillies and tobacco are doing well.
BEHAR.			
Patna Divn.			
26	Patna „ 14, '89	Nil	Weather—cold. Harvesting of paddy is vigorously going on. *Rubbi* crops are growing well. Prospects of poppy and all other crops on the ground are favourable. Prices of food-grains almost stationary.
27	Gya „ 14, '89	Nil	Weather—cold. Harvesting of paddy going on. *Rubbi* crops doing well. Prices of food-grains falling. Food stocks sufficient.
28	Shahabad „ 14, '89	Nil	Weather—fine, dry and cold. Harvesting of *aghani* paddy still in progress. *Rubbi* crops doing well. Sugarcane is being cut and pressed. Prices falling.
29	Durbhunga „ 14, '89	Nil	Weather—clear and cold. Harvesting of rice continues. Prospects of *rubbi* very favourable. Poppy sowings completed, and plants look healthy and prospects very good. Prices stationary.
30	Mozufferpur „ 14, '89	Nil	Weather cold and clear. Prospects of standing crops continue favourable. Harvesting of winter rice still going on in places.
31	Sarun „ 14, '89	Nil	Weather—colder than the preceding week. Prospects of *rubbi* and poppy crops continue good. Harvesting of paddy will shortly be completed. Sugarcane doing well.
32	Chumparun „ 14, '89	Nil	Weather—cold and foggy. Reaping of *aghani* almost finished. The crop is generally on threshing-floor. New rice has begun to come into the markets. *Rubbi* and poppy promising. Poppy is being weeded. Prices falling everywhere.
Bhagulpore Divn.			
33	Monghyr „ 14, '89	Nil	Weather—seasonable and cold. Harvesting of winter rice going on vigorously. Prospects of *rubbi* crops and poppy continue good.
34	Bhagulpur „ 14, '89	Nil	Weather—cool and clear. Late paddy, *kurthi*, *til*, and sugarcane are being cut. *Rubbi* crops doing well.
35	Purneah „ 14, '89	Nil	Weather—cold. *Aghani* crop is being harvested. *Rubbi* crops promising. Tobacco is still being sown in some places.
36	Maldah „ 14, '89	Nil	Weather—seasonable. Harvesting of winter rice continues. An average outturn is expected. Prospects of *rubbi* crops generally good. Price of rice falling.
37	Sonthal Perghs. „ 14, '89	Nil	Weather—cold and seasonable. Harvesting of paddy continues. Prospects of *rubbi* crops good.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
Orissa Divn.	38	Cuttack Dec. 14, '89	Nil	Weather—seasonable. The reaping of early *sarad* is nearly over, that of *guru sarad* has just commenced. Prospects continue good.
	39	Pooree ...	.....	Report not received.
	40	Balasore „ 14, '89	Nil	Weather—seasonable. Harvesting of winter rice continues. Prospects no worse.
CHOTA NAGPORE.				
		South-West Frontier Agency.		
Chota Nagpore Divn.	41	Hazaribagh Dec. 14, '89	Nil	Weather—seasonable. Crops generally good. In all thanas except Jaggessur, Chowparan, and Huntergunge, a 16-anna paddy crop is expected. *Rubbi* crops very promising. Poppy thriving.
	42	Lohardugga „ 14, '89	Nil	Weather—seasonable and very cold. Harvesting of paddy nearly finished. *Rubbi* crops doing well. Produce of *til* and *kapas* 12 annas in Palamow. Prices of food-grains falling.
	43	Singbhoom „ 14, '89	Nil	Weather—seasonable. All crops doing well. Price of rice at head-quarters lower, at other places stationary.
	44	Manbhoom „ 14, '89	Nil	Weather—cold. Paddy is being harvested; outturn varies from 12 annas in Manbazar and Burrabhoom to 16 annas in Chas, and the general average is 14 annas. All spring crops doing well. Mustard will be a bumper crop everywhere.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 17th December, 1889.

P. NOLAN,
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from th during the month of August, 1889.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.	
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny bags.†	Linseed.	Mustard seed.				Drained.	Undrained.
	Rice.	* Paddy.	Total (in rice).													
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan	77,382	30,060	1,08,670	5,064	4,858	15	1,18,607	211	6,885	9,474	2,330	.....	.....	73	505	.....
Beerbhoom	13,080	1,230	13,886	.....	.....	.....	13,886	.....	6,905	.....	510	.....	.....	73	.....	.....
Midnapore	56,598	10,610	63,329	.....	84	.....	63,413	.....	750	2,683	.....	.....	27	424	.....	280
Hooghly ... ... *	38,720	33,325	59,673	10,612	8,775	357	79,417	6,281	225,756	21,626	8,785	.....	523	.....	42	18,773
24-Pergunnahs ...	72,313	14,652	81,471	.....	1,062	.....	82,533	4,687	328,195	.....	.....	.....	400	.....	3,988	7,093
Nuddea	7,644	1,183	8,383	22,183	40,094	1,988	72,648	79,934	985	22,284	7,767	.....	333	52	82	606
Khulna	2,375	6,400	6,375	.....	1,075	.....	7,450	58,558	2,350	.....	1,150	.....	50	.....	.....	3,400
Jessore	2,754	1,790	3,873	.....	3,520	.....	7,393	40,125	105	1,300	1,260	.....	118	.....	.....	7,968
Moorshedabad ...	3,785	.....	3,785	17,156	14,570	562	36,073	2,826	965	10,236	444	.....	.....	661	535	.....
Dinagepore	2,80,521	.....	2,80,521	787	708	58	2,82,134	8,232	32,700	200	577	.....	.....	.....	.....	.....
Rajshahye	10,895	.....	10,895	1,360	4,289	.....	16,544	51,142	.....	8,144	787	.....	7	344	1,615	.....
Rungpore	5	.....	5	2,753	.....	.....	2,758	86,171	10,395	.....	3,418	.....	389	1	.....	.....
Bogra	22,884	.....	22,884	.....	.....	.....	22,884	2,064	.....	256	.....	.....	.....	.....	.....	.....
Pubna	4,462	.....	4,462	4,272	6,130	.....	14,864	2,58,506	488,670	3,273	40,001	.....	143	.....	.....	.....
Darjeeling	.....	.....	.....	.....	.....	.....	.....	130	27,580	.....	.....	29,536	.....	.....	.....	.....
Julpigoree	.....	.....	.....	.....	.....	.....	.....	10,219	42,665	.....	472	13,733	.....	.....	.....	.....
Dacca	477	.....	477	.....	.....	.....	477	2,31,301	.....	.....	10,877	.....	401	.....	.....	.....
Furreedpore ...	1,889	.....	1,889	1,570	2,887	.....	6,346	7,13,643	105	3,321	13,718	5	200	60	.....	.....
Backergunge ...	1,06,008	.....	1,06,008	.....	925	.....	1,06,933	887	.....	725	823	.....	.....	.....	350	.....
Mymensingh ...	1,141	.....	1,141	.....	1,061	.....	2,202	9,943	.....	.....	3,566	.....	.....	.....	.....	.....
Tipperah ...	1,825	.....	1,825	.....	.....	.....	1,825	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chittagong ...	300	.....	360	.....	.....	.....	360	6,881	.....	.....	.....	2,202	842	.....	.....	.....
Noakholly ...	28,300	.....	28,300	.....	.....	.....	28,300	.....	.....	.....	800	.....	600	.....	.....	.....
Total of Bengal ...	7,33,458	1,19,510	8,08,152	65,757	90,098	2,980	9,66,987	15,71,741	1,175,051	83,522	97,284	45,476	4,053	1,688	7,117	38,122
BEHAR.																
Patna	.....	.....	.....	9,001	16,939	6,826	32,766	132	4,935	2,43,604	40,502	.....	405	.....	1,601	288
Gya	.....	.....	.....	.....	.....	.....	.....	.....	350	10,746	.....	.....	7	4	.....	6
Shahabad	.....	.....	.....	15,644	30,271	6,029	51,944	.....	580	15,972	6,191	.....	.....	.....	108	885
Mozufferpore ...	5	.....	5	.....	300	1,126	1,431	199	.....	11,737	1,796	.....	.....	.....	.....	.....
Durbhunga ...	.....	.....	.....	2,172	2,150	.....	4,322	.....	140	58,667	18,264	.....	7	.....	24	.....
Sarun	.....	.....	.....	22,999	33,760	12,240	68,999	.....	70	49,451	25,856	.....	45	.....	.....	.....
Chumparun ...	.....	.....	.....	.....	.....	973	973	.....	140	38,094	6,947	.....	.....	.....	.....	1,186
Monghyr	2,326	.....	2,326	17,476	7,692	2,873	30,367	2,048	805	32,370	25,938	.....	* 151	.....	.....	21
Bhagulpore ...	10	.....	10	39,025	10,725	9,506	59,266	142	315	13,523	19,550	.....	.....	2	.....	.....
Purneah	2,365	.....	2,365	3,012	2,020	18	7,415	1,121	3,310	7,283	24,834	.....	.....	.....	.....	.....
Maldah	399	.....	399	9,974	9,300	548	20,311	587	.....	4,158	3,150	.....	.....	.....	.....	.....
Southal Pergunnahs.	11	.....	11	9,900	1,291	325	10,687	206	1,050	10,839	6,604	.....	.....	495	.....	.....
Total of Behar ...	5,116	.....	5,116	1,27,454	1,14,538	40,464	2,87,572	4,435	10,795	4,96,227	1,77,652	.....	615	411	1,733	2,386
ORISSA.																
Balasore	8,376	1,783	9,490	.....	466	.....	9,956	22	1,300	1 2	34	.....	102	.....	.....	.....
CHOTA NAGPORE.																
Hazaribagh ...	.....	.....	.....	.....	.....	.....	.....	.....	1,050	.....	344	208	.....	.....	.....	.....
Manbhoom ...	.....	.....	.....	.....	.....	.....	.....	.....	1,225	.....	.....	.....	.....	.....	.....	.....
Total of Chota Nagpore.	.....	.....	.....	.....	.....	.....	.....	.....	2,275	.....	344	208	.....	.....	.....	.....
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	7,46,950	1,21,293	8,22,758	1,93,211	2,05,102	43,444	12,64,515	15,76,198	1,189,421	5,79,851	2,75,314	45,684	4,770	2,099	8,850	40,508
OTHER PROVINCES.																
Assam	4,043	30	4,062	.....	900	.....	4,962	102	.....	911	1,86,863	1,04,260	221	*59	.....	.....
North-Western Provinces and Oudh.	11	.....	11	75,565	43,749	3,457	1,22,792	.....	980	1,60,631	23,146	564	6,705	.....	2,902	4,031
Punjab	6	.....	6	28,287	10,449	1,421	40,163	.....	.....	1,138	.....	400	629	.....	.....	.....
Central Provinces	.....	.....	.....	8,797	621	.....	9,418	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rajputana and Central India.	.....	.....	.....	.....	.....	.....	.....	.....	.....	299	.....	.....	.....	.....	.....	.....
Bombay	.....	.....	.....	.....	7	.....	7	.....	800	.....	.....	.....	12,221	.....	7	.....
Madras	4	.....	4	.....	2,886	.....	2,890	.....	.....	.....	.....	1	2,296	.....	.....	.....
Mysore	4	.....	4	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pondicherry ...	1,372	.....	1,372	.....	.....	.....	1,372	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burmah	.....	.....	.....	.....	152	.....	152	.....	.....	.....	.....	.....	1,433	.....	.....	.....
Sind	.....	.....	.....	.....	.....	.....	.....	.....	12,100	.....	.....	.....	.....	.....	.....	.....
Other places ...	.....	.....	.....	.....	.....	3	3	25	.....	.....	.....	.....	408	8	21,712	15,036
Grand Total of Imports in August 1889	7,52,390	1,21,323	8,28,217	3,05,860	2,63,866	48,335	14,46,278	15,76,325	1,203,301	7,42,830	4,85,323	1,50,909	28,683	2,166	33,471	59,575
Grand Total of Imports in August 1888	10,13,119	68,420	10,55,875	5,84,412	3,75,544	34,482	20,50,313	15,91,879	1,626,151	7,72,342	1,19,634	1,53,484	43,248	2,831	26,513	99,811

* One maund of paddy is equivalent to 25 seers of rice. † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of August, 1889, was as follows :—

EXPORTED FROM CALCUTTA—																
To Indian ports, viz.—																
Bombay	45,747	30	45,766	2,831	10,260	.....	58,857	.....	856,900	.....	39,622	2,744	.....	.....	2,141	.....
Madras	16	.....	16	204	17,328	449	17,997	.....	112,500	.....	.....	.....	.....	631	10	.....
Other ports in Madras ...	1,373	.....	1,373	39	1,338	.....	2,750	.....	129,050	.....	.....	4	1	17	10	.....
Burmah	4,260	.....	4,260	7,283	17,903	34	29,480	.....	370,430	3	.....	70	.....	11	476	6,846
Other Indian ports	11,899	.....	11,899	3,171	1,217	.....	16,287	.....	11,400	.....	200	.....	1	2	1,682	721
Pondicherry ...	.....	.....	.....	230	269	.....	499	.....	28,500	.....	.....	3	.....	.....	.....	.....
Sind	.....	.....	.....	.....	.....	.....	.....	.....	106,150	.....	.....	.....	.....	.....	.....	.....
Total of Inter-portal trade ...	63,295	30	63,314	13,758	48,315	483	1,25,870	.....	1,614,930	3	39,822	2,821	2	661	3,719	7,567
To Foreign ports—																
United Kingdom	51,269	.....	51,269	2,08,690	4,081	.....	2,64,040	3,53,604	2,506,000	5,02,534	97,541	1,49,951	4,912	109	7,905	9,121
Other Foreign ports	3,65,690	.....	3,65,690	834	30,498	9,049	4,06,071	82,996	5,761,448	1,46,586	121	4,486	4,507	1,730	208	1
Total of Foreign trade	4,16,959	.....	4,16,959	2,09,524	34,579	9,049	6,70,111	4,36,600	8,267,448	7,39,120	97,662	1,54,437	9,419	1,839	8,113	9,122
Grand Total of Exports in August 1889	4,80,254	30	4,80,273	2,23,282	82,894	9,532	7,95,981	4,36,600	9,882,378	7,39,123	1,37,484	1,57,258	9,421	2,500	11,832	16,689
Grand Total of Exports in August 1888	6,72,377	1,845	6,73,530	5,40,507	1,68,180	3,469	13,85,626	3,17,824	8,946,367	9,59,649	44,312	1,47,638	15,216	1,582	2,306	2,556

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of August, 1889.

IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTES.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.				Drained.	Undrained.	Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
country boats ...	6,03,094	62,170	1,44,204	1,79,717	35,928	1,76,775	532,236	1,86,560	1,59,075	.....	2,245	293	8,414	32,756	21,332	1,291
river steamers ...	18,626	727	15,250	7,394	2	1,09,160	.....	85,388	2,08,140	1,00,878	1,052	225	1,849	.....	1,616	2
rail { East Indian Railway.	54,435	54,409	1,44,940	67,116	12,402	34,489	25,410	4,63,427	82,366	1,172	7,348	1,176	178	6,417	968	355
rail { Eastern Bengal State Railway.	36,899	376	1,466	6,379	.....	12,48,695	600,355	7,353	35,708	46,666	623	458	.....	3,326	43,271	.....
road	29,969	1,858	.....	.....	.....	878	31,100	.....	.....	.....	115	.....	1,311	2,040	2,832	733
sea	9,436	1,783	.....	3,260	3	6,928	14,200	102	34	2,203	17,300	8	21,719	15,036	396	395
Grand total of Imports in August ... { 1889 ...	7,52,599	1,21,323	3,05,860	2,63,866	48,335	15,76,325	1,203,301	7,42,830	4,85,323	1,50,969	28,683	2,166	33,471	59,575	70,415	2,776
Grand total of Imports in August ... { 1888 ...	10,13,113	68,420	5,84,412	3,75,544	34,482	15,91,879	1,626,151	7,72,342	1,19,634	1,53,484	43,248	2,831	26,513	99,811	59,924	6,117

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of August, 1889.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.						
dwan ...	1,20,984	.....	414	972	16,278	68,139
rbhoom ...	78,498	1,100	191	556	10,521	21,245
napore ...	1,53,531	.....	2,362	.....	29,117	9,544
ghly ...	62,176	6,840	828	158	902	56,410
ergunnahs ...	74,009	3,732	201	.....	9,953	3,000
den ...	2,06,548	.....	1,703	.....	29,780	21,915
lna ...	30,295	.....	55	.....	7,712	195
ore ...	67,652	...	684	.....	19,344	800
rshedabad ...	85,444	770	71	.....	12,840	2,023
cepore ...	1,09,147	.....	66	.....	9,540	1,225
dahye ...	2,72,412	.....	260	.....	21,639	3,850
rpore ...	5,46,714	.....	224	.....	11,905	1,435
... ...	1,77,408	.....	75	.....	4,794	2,555
... ...	3,09,330	.....	425	.....	49,787	2,095
eling ...	2,23,335	.....	229	.....	4,592	.....
gore ...	1,14,602	.....	185	.....	6,813	280
... ...	8,33,805	.....	1,577	538	32,355	18,175
edpore ...	1,70,982	.....	401	.....	29,607	2,170
ercunge ...	53,046	.....	1,228	.....	21,950	.....
esingh ...	1,46,979	.....	15	5	23,015	1,890
rah ...	.....	.....	.....	.....	6,750	.....
gong ...	27,370	.....	44	.....	200	3,750
holly ...	.....	.....	.....	.....	6,400	.....
tal of Bengal...	39,09,207	12,442	11,238	2,229	3,65,744	227,606
BEHAR.						
...	1,02,034	330	143	311	34,584	174,340
...	75,852	.....	26	373	6,227	70
bad ...	1,30,013	110	5	617	8,120	18,865
rpore ...	14,490	.....	.....	12	11,526	7,805
unga ...	47,502	...	12	292	32,192	44,610
...	61,362	550	29	165	10,527	23,905
parun ...	2,94,955	1,220	.....	12	6,113	22,155
yr ...	48,510	...	10	152	8,387	16,485
pore ...	1,11,510	330	20	239	15,093	32,245
h ...	1,58,445	.....	95	575	11,332	59,625
n ...	.....	.....	82	.....	6,440	280
l Pergunnahs	1,25,559	5,610	82	625	18,033	52,955
t of Behar ...	10,82,251	8,250	454	3,373	1,63,174	483,340
ORISSA.						
k ...	3,500	.....	495	.....	.....	.....
re ...	47,595	.....	4,899	49	5,786	7,650
of Orissa ...	51,095	.....	5,394	49	5,786	7,650

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds	No.
CHOTA NAGPORE.						
Hazaribagh	42,525	.....	.....	.....	2,408	700
Manbhoom	71,064	.....	36	921	4,345	350
Total of Chota Nagpore ...	1,13,589	.....	36	921	6,753	1,050
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	51,47,142	20,692	17,122	6,572	5,41,457	669,646
OTHER PROVINCES.						
Assam	5,13,613	.....	994	736	34,620	1,060
North-Western Provinces and Oudh	12,74,427	4,070	2,997	582	7,104	140,175
Punjab	2,43,180	5,060	588	7	.....	272,930
Central Provinces	3,339	220	69	.....	.....	910
Rajputana and Central India	22,806	.....	131	17	.....	2,520
Nizam's Territory	126	.....	.....	.....	.....	.....
Bombay	756	.....	.....	.....	.....	856,960
Madras	54,624	.....	1,077	321	.....	241,550
Pondicherry	.....	.....	.....	.....	.....	28,500
British Burmah	1,08,899	59	312	1,914	.....	370,430
Sind	.....	.....	.....	.....	.....	106,150
Other places	7,448	3,329	1	4,223	2,286	8,267,448
Grand Total of Exports in August { 1889 ...	74,76,351	33,421	23,291	14,471	5,85,467	10,958,219
Grand Total of Exports in August { 1888 ...	71,98,592	21,395	20,096	16,452	5,89,351	9,863,121

The Sea-borne Trade of Calcutta in these Staples during the month of August 1889 was as follows:—

IMPORTED INTO CALCUTTA—	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
From Foreign Ports—						
United Kingdom	1,37,61,697	.....	15,584	.....	4,98,264	.....
Other Foreign ports ...	63,031	.....	345	.....	91,856	12,100
Total of Foreign Trade ...	1,38,24,728	.....	15,929	.....	5,90,120	12,100
From Indian Ports—						
Bombay	14,585	3,70,200	.....	11,341	39,983	800
Madras	400	23,994	.....	5	.....	.....
Other ports in Madras ...	.....	.....	.....	139	4,314	.....
Burmah	2,760	800	.....	15	.....	.....
Other Indian ports ...	454	200	7	15	.....	1,300
Total of Interportal Trade ...	18,139	3,95,194	7	11,515	44,297	2,100
Grand Total of Imports in August { 1889 ...	1,38,42,867	3,95,194	15,936	11,515	6,34,417	14,200
Grand Total of Imports in August { 1888 ...	1,54,69,855	1,71,416	10,914	10,488	6,79,267	10,400

* As per tariff declaration value.

Following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of August, 1889.

SPECIFICATION OF ROUTES.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
ity boats	1,18,778	5,340	2,516	.....	3,23,347	126,439
steamers	8,28,393	.....	2,665	1,279	25,964	36,967
{ East Indian Railway	29,35,226	21,010	4,869	6,516	1,75,088	825,290
{ Eastern Bengal State Railway	31,50,450	.....	6,447	.....	54,199	24,365
... ...	85,522	3,692	456	70	4,047	2,750
... ...	3,48,482	3,379	6,828	6,606	2,822	9,882,378
Grand Total of Exports in August ... { 1889 ...	74,76,351	33,421	23,291	14,471	5,85,467	10,958,219
Grand Total of Exports in August ... { 1888 ...	71,98,592	21,395	22,096	16,452	5,89,351	9,863,121

STATISTICAL DEPARTMENT,
the 14th December, 1889.

P. NOLAN,
Secretary to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature * of week.	Variation from normal of week.	Mean, 8 A.M. temperature.
Orissa.	Pooree	Pooree	30·034	30·047	—	NNW	170	85·2	15th Dec.	57·9	9th Dec.	83·9*	59·9	72·0*	—	64·1
		Gopalpore	30·025	30·075	+·005	NNW	216	82·7	9th ,,	57·5	11th ,,	79·6	60·2	69·9	—0·3	63·1
		False Point	30·026	30·049	—·010	NNW	134	80·9	8th ,,	52·5	13th ,,	77·9	54·2	66·1	—1·5	62·4
	Cuttack	Cuttack	29·981	30·066	+·010	WNW	19·9	83·3	7 & 8 ,,	53·9	11th ,,	81·3	55·9	68·6	—1·7	61·1
	Balasore	Balasore	30·015	30·077	+·012	NNW	70·2	84·9	7th ,,	50·5	10, 12, 13 ,,	78·7	52·4	65·5	—0·5	60·7
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	30·031	30·058	+·002	Northerly	192	78·2	8th ,,	54·8	10th ,,	74·9	58·8	66·9	—1·8	59·7
	Midnapore	Midnapore	29·894	30·055	—·017	N	43·3	81·3	7 & 8 ,,	49·2	11th ,,	77·8	52·5	65·2	—1·7	58·1
	24-Pergunnahs, Howrah, Hooghly	Calcutta	30·030	30·053	—·006	N	48	79·5	8th ,,	51·8	10th ,,	75·6	54·4	65·0	—2·9	60·4
	Burdwan	Burdwan	29·948	30·055	—·017	N.-Wly	21·9	80·5	8th ,,	52·3	9—11 ,,	77·0	54·4	65·7	—2·5	60·2
	Bankoora	Bankoora	29·720	30·041	—·021	W	62·0	80·0	8th ,,	50·0	10th ,,	76·9	52·6	64·7	—3·0	57·1
	Beerbhoom, West Burdwan	Ranegunge	29·707*	30·062*	—·020	N.-Wly	59·5	80·5	7 & 8 ,,	50·2	10th ,,	78·0	52·6	65·3	—2·2	57·1
	Moorshedabad	Berhampore	29·974	30·045	—·018	Variable	29·6	78·6	8th ,,	52·2	10th ,,	76·2	55·4	65·8	—1·4	59·1
	Nuddea	Krishnaghor	30·001	30·071	0	WNW	60·2	79·5	8th ,,	49·9	9th ,,	76·6	52·6	64·6	—2·9	60·1
	Jessore, Khoolna	Jessore	30·001	30·036	—·012	Calm	24·5	79·2	8th ,,	55·0	9 & 10 ,,	76·5	56·8	66·7	—1·9	61·1
East Bengal.	Chittagong	Chittagong	29·920	30·015	—·020	NW	41·8	81·6	7th ,,	56·6	13th ,,	79·2	59·1	69·2	—0·7	62·5
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	30·007	30·020	—·002	Calm	36·8	78·3	7 & 12 Dec.	54·1	9th	76·4	57·1	66·8	—1·2	61·6
	Noakholly	Noakholly	29·983	30·029	—	N	61·8	81·0	7th ,,	54·8	9th ,,	78·0	56·0	66·9	—	62·1
	Furreedpore	Furreedpore	29·992	30·034	—·002	N	40·6	74·5	12th ,,	54·8	9th ,,	75·5	57·1	65·3	—1·9	61·1
	Dacca	Dacca	29·998	30·022	—·013	Northerly	65·9	80·6	7th ,,	55·3	9 & 10 ,,	78·1	57·9	67·6	—4·1	61·1
	Tipperah	Commillah	29·989	30·026	—·006	Variable	10·1*	80·9	7th ,,	55·5	10 & 12 ,,	78·5	57·6	67·7	—0·6	62·1
	Mymensingh	Mymensingh	29·970	30·031	—·003	Northerly	37·9	78·9	7th ,,	55·8	9th ,,	77·2	57·1	67·1	+0·1	62·1
North Bengal.	Bogra	Bogra	29·944	30·011	—·004	Calm	23·5	78·3	7th ,,	52·4	9th ,,	77·0	54·1	65·6	—2·4	59·1
	Pubna	Serajgunge	29·972	30·021	—·019	Variable	15·7	78·9	7th ,,	51·9	9th ,,	76·9	55·0	66·0	—1·9	61·1
	Rajshahye	Rampor Beauleah	29·962	30·036	—·002	N	50·9	77·4	7 & 8 ,,	52·7	10th ,,	75·8	54·3	65·0	—0·2	59·1
	Maldah	Maldah	29·972	30·057	—	NW	75·8	78·8	7 & 8 ,,	48·8	9th ,,	77·3	51·3	64·2	—	58·1
	Dinagepore	Dinagepore	29·914	30·042	+ 007	SW	34·1	79·1	7th ,,	51·7	8th ,,	78·0	52·9	65·5	—1·1	61·1
	Rungpore	Rungpore	29·916	30·049	—·025	W & WNW	29·0	79·2	7th ,,	52·1	9th ,,	77·9	53·3	65·6	+0·7	62·1
	Julpigoree, Cooch Behar	Julpigoree	29·743*	30·046*	—·025	N	42·9	74·9	7—12 ,,	53·9	13th ,,	74·9*	55·7	65·4*	+0·4	62·1
	Darjeeling Hill Tracts	Darjeeling	22·982	—	—·045	ENE	61·0	54·2	12th ,,	36·1	13th ,,	53·4	37·8	45·6	+1·1	44·1
North Behar.	Purneah, North Bhagulpore	Purneah	29·912	30·047	—·018	S.-Wly.	45·2	76·7	7 & 8 ,,	48·5	8th ,,	75·2	49·7	62·4	—2·1	58·1
	Mozufferpore	Mozufferpore						Observations suspended.								
	Durbhunga	Durbhunga	29·862	30·040	—·048	WSW	60·1	78·9	7th Dec.	51·6	13th ,,	76·5	55·4	65·9	+0·3	62·1
	Chumparun	Motiharí	29·869	30·052	—·017	S.-Wly.	115·8	77·6	7th ,,	45·9	10th ,,	74·9	49·6	62·3	—0·5	58·1
	Sarun	Chupra	29·870	30·075	+·015?	W	53·9	78·3	8th ,,	50·0	9 & 10 ,,	75·3	52·7	64·0	+0·3	60·1
South Behar.	Shahabad	Dehree	29·704	30·084	—·006	SW	175·3	81·8	7th ,,	50·0	10th ,,	77·3	52·5	64·9	+1·2	61·1
		Buxar	29·810	30·070	—·022	WSW	118·6	79·4	7th ,,	46·9	13th ,,	75·3	49·3	62·3	—1·3	59·1
		Arrah	29·848	30·057	—·008	SW	80·6	79·9	7th ,,	46·2	10th ,,	76·2	48·4*	62·4*	—1·7	59·1
	Gya	Gya	29·677	30·083	—·016	S	96·7	80·9	7th ,,	48·9	11th ,,	77·2	51·9	64·5	+0·8	61·1
	Patna	Bankipore	29·871	30·067	—·033	W	64·7	79·8	7th ,,	47·8	13th ,,	75·8	50·8	63·3	—0·2	60·1
	South Bhagulpore, Monghyr	Bhagulpore	29·869	30·042	—·027	WNW	52·7	79·8	8th ,,	48·0	13th ,,	77·1	49·9	63·5	—0·7	60·1
	Sonthal Pergunnahs	Doomka	29·534	30·066	—	NW	44·7	78·9	8th ,,	48·1	10th ,,	75·6	50·1	62·8	—	59·1
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·981	30·085	—·023	WNW	217·7	76·1	7th ,,	46·8	10th ,,	72·5	49·3	60·9	—0·7	57·1
	Lohardugga, Manbhoom	Ranchee	27·848	30·077	—·020	Calm	145·0	76·0	7th ,,	43·7	10th ,,	72·2	46·2	59·2	—1·9	56·1
	Singbhoom	Chyebassa	29·284	30·095	—	SSW	25·9	80·5	8th ,,	47·7	13th ,,	77·3	49·7	63·5	—	60·1

* Means for six days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the *humidity* of the atmosphere is expressed as percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The are the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional station for the period in question durin stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

or the week ending Friday, the 13th of December 1889.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	OF WEEK. Mean for district.	OF WEEK. Normal mean.	DISTRICT OBSERVATIONS. RAINFALL. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
77	0	Nil	Nil	0·42	Nil	0·62	−0·62	74·53	54·94	+19·59	0·0	0·4	Pooree	Pooree	Orissa.
74	0·1	Nil											Gopalpore		
84	0·1	Nil											False Point		
71	0·3	Nil	Nil	0·23	Nil	0·39	−0·39	66·19	51·36	+14·83	0·0	0·3	Cuttack	Cuttack	
78	0	Nil	Nil	0·11	Nil	0·19	−0·19	49·87	52·46	−2·59	0·0	0·3	Balasore	Balasore	
86	0	Nil	Nil	0·13	Nil	0·28	−0·28	58·39	61·92	−3·53	0·0	0·3	Saugor Island	South-West Midnapore	South-West Bengal.
														South 24-Pergunnahs	
76	0·1	Nil	Nil	0·06	Nil	0·17	−0·17	46·29	50·92	−4·63	0·0	0·2	Midnapore	Midnapore	
79	0	Nil	Nil	0·07	Nil	0·22	−0·22	53·38	51·09	+2·29	0·0	0·2	Calcutta	24-Pergunnahs	
														Howrah	
														Hooghly	
69	0	Nil	Nil	0·04	Nil	0·13	−0·13	43·83	46·23	−2·40	0·0	0·1	Burdwan	Burdwan	
72	0	Nil	Nil	0·01	Nil	0·15	−0·15	55·88	52·13	+3·75	0·0	0·1	Bankoora	Bankoora	
74	0	Nil	Nil	0·03	Nil	0·10	−0·10	52·44	51·13	+1·31	0·0	0·1	Raneegunge	Beerbhoom	
														West Burdwan	
88	0	Nil	Nil	0·03	Nil	0·11	−0·11	51·15	49·95	+1·20	0·0	0·1	Berhampore	Moorshedabad	
84	0	Nil	Nil	0·01	Nil	0·09	−0·09	51·49	48·78	+2·71	0·0	0·1	Krishnaghur	Nuddea	
93	0	Nil	Nil	0·03	Nil	0·22	−0·22	53·33	52·60	+0·73	0·0	0·1	Jessore	Jessore	
														Khoolna	
87	7·0	Nil	Nil	0·10	Nil	0·48	−0·48	90·60	112·90	−13·30	0·0	0·2	Chittagong	Chittagong	East Bengal.
			Nil	0·19	Nil	0·46	−0·46	64·45	80·51	−16·06	0·0	0·3	Demagiri	Chittagong Hill Tracts	
85	0	Nil	Nil	0·07	Nil	0·40	−0·40	77·58	76·29	+1·29	0·0	0·2	Barrisal	Backergunge	
86	0	Nil	Nil	0·09	Nil	0·77	−0·77	90·03	105·77	−15·74	0·0	0·2	Noakholly	Noakholly	
86	0	Nil	Nil	0·02	Nil	0·11	−0·11	60·21	55·37	+4·84	0·0	0·1	Furreedpore	Furreedpore	
80	0·7	Nil	Nil	0·04	Nil	0·22	−0·22	74·59	59·18	+15·41	0·0	0·1	Dacca	Dacca	
83	0·4	Nil	Nil	0·07	Nil	0·34	−0·34	55·43	68·77	−13·34	0·0	0·1	Commillah	Tipperah	
90	1·0	Nil	Nil	0·04	Nil	0·13	−0·13	87·63	67·11	+20·52	0·0	0·1	Mymensingh	Mymensingh	
87	0	Nil	Nil	0·05	Nil	0·12	−0·12	64·80	56·87	+7·93	0·0	0·1	Bogra	Bogra	North Bengal.
89	0·1	Nil	Nil	0·02	Nil	0·09	−0·09	54·99	52·82	+2·17	0·0	0·1	Serajgunge	Pubna	
77	0·1	Nil	Nil	0·02	Nil	0·12	−0·12	54·30	53·30	+1·00	0·0	0·1	Rampore Beauleah	Rajshahye	
83	0	Nil	Nil	0·02	Nil	0·08	−0·08	39·76	53·70	−13·94	0·0	0·1	Maldah	Maldah	
85	0	Nil	Nil	0·05	Nil	0·15	−0·15	57·37	56·56	+0·81	0·0	0·1	Dinagepore	Dinagepore	
95	0	Nil	Nil	0·10	Nil	0·12	−0·12	85·16	73·66	+11·50	0·0	0·2	Rungpore	Rungpore	
96	0·4	Nil	Nil	0·10	Nil	0·10	−0·10	117·13	111·13	+6·00	0·0	0·2	Julpigoree	Julpigoree	
														Cooch Behar	
85	4·9	Nil	Nil	0·05	Nil	0·08	−0·08	132·75	120·03	+12·72	0·0	0·2	Darjeeling	Darjeeling Hill Tracts	
88	0·1	Nil	Nil	0·07	Nil	0·07	−0·07	74·71	58·08	+16·63	0·0	0·2	Purneah	Purneah	North Behar.
														North Bhagulpore	
			Nil	0·04	Nil	0·04	−0·04	48·66	42·53	+6·13	0·0	0·1	Mozufferpore	Mozufferpore	
78	0	Nil	Nil	0·05	Nil	0·05	−0·05	51·84	43·98	+7·86	0·0	0·1	Durbhunga	Durbhunga	
85	0	Nil	Nil	0·08	Nil	0·09	−0·09	63·55	46·00	+17·55	0·0	0·2	Motihari	Chumparun	
59	0·1	Nil	Nil	0·07	Nil	0·07	−0·07	40·13	42·11	−1·98	0·0	0·2	Chupra	Sarun	
69	0	Nil											Dehree		
68	0·4	Nil	Nil	0·19	Nil	0·19	−0·19	40·07	39·43	+0·64	0·0	0·2	Buxar	Shahabad	South Behar.
72	0·3	Nil											Arrah		
60	0·6	Nil	Nil	0·12	Nil	0·12	−0·12	37·07	40·76	−3·69	0·0	0·2	Gya	Gya	
68	0·3	Nil	Nil	0·08	Nil	0·08	−0·08	43·49	40·71	+2·78	0·0	0·1	Bankipore	Patna	
79	0	Nil	Nil	0·03	Nil	0·04	−0·04	42·43	43·01	−0·58	0·0	0·1	Bhagulpore	South Bhagulpore	
														Monghyr	
73	0	Nil	Nil	0·01	Nil	0·06	−0·06	54·15	50·25	+3·90	0·0	0·1	Doomka	Sonthal Pergunnahs	
54	0	Nil	Nil	0·10	Nil	0·12	−0·12	43·03	49·92	−6·89	0·0	0·2	Hazaribagh	Hazaribagh	Chutia Nagpur.
61	0	Nil	Nil	0·11	Nil	0·12	−0·12	44·34	48·34	−4·00	0·0	0·2	Ranchi	Lohardugga	
			Nil	0·06	Nil	0·11	−0·11	38·33	46·33	−8·00	0·0	0·1		Manbhoom	
76	0	Nil	Nil	0·12	Nil	0·21	−0·21	48·76	50·61	−1·85	0·0	0·3	Chyebassa	Singbhoom	

n years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
noting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 13th of December 18

Meteorological division.	District.	Station.	Rainfall. Saturday, 7th December.	Sunday, 8th December.	Monday, 9th December.	Tuesday, 10th December.	Wednesday, 11th December.	Thursday, 12th December.	Friday, 13th December.	Total Number of rainy days.	Total Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.
Orissa	Pooree	Pooree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·64	80·42
		Khurdah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·33	76·57
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·76	65·36
		False Point	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·73	75·76
		Gop	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	
	Cuttack	Jagatsingpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·33	73·97
		Banki	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·31	52·43
		Cuttack	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·23	75·18
		Kendrapara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·45	71·77
		Jajpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·62	57·64
		Dharmsala	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59·25
		Salipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	72·47
	Balasore	Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·49	54·53
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	57·66
		Sorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	46·85
		Balasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·32	46·61
		Jellasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·03	39·59
		Baripodah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·02	54·79
South-West Bengal	Midnapore	Contai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·33	55·08
		Saugor Island	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·30	56·71
		Tumlook	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·23	49·40
		Midnapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	46·26
		Ghattal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·18	43·19
		Kakrahaty	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59·65
		Heria	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	65·96
		Bhagwanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	51·72
		Garbetta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	40·29
	24-Pergunnahs	Diamond Harbour	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	63·37
		Canning Town	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	57·63
		Alipore Jail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·27	51·89
		Barrackpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·24	51·29
		Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	64·58
		Baraset	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	57·61
		Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·21	60·92
	Howrah	Howrah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·25	59·13
		Mohesreka (*Ooloberiah.*)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	54·64
	Hooghly	Serampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·23	55·27
		Hooghly	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	36·92
		Jehanabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	41·13
	Burdwan	Culna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·18	41·32
		Burdwan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·15	47·07
		Cutwa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	43·11
		Raneegunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	55·83
		Mankur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	53·71
	Bankoora	Bankoora	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	50·79
		Bishenpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	57·49
		Mallara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	
		Khatra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·24	65·91
		Indas	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	45·14
		Kotalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	48·40
		Anda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	40·44
		Gangajalghati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59·17
		Raipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	58·35
		Sonamukhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	54·33
	Beerbhoom	Bh. Soory	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	59·06
		Hetampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	47·07
		Rampore Haut	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·15	47·78
		Raipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	54·97
		Murarai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	53·10
	Nuddea	Ranaghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·15	55·80
		Kishnaghur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·02	42·95
		Chooadanga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	49·81
		Meherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	53·05
		Kooshtea	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	55·91
	Khoolna	Satkhira	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·33	52·50
		Bagirhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·26	53·69
		Khoolna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·27	55·60
	Jessore	Narail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	49·47
		Jeasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·16	62·35
		Jhenidah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·15	50·56
		Magoorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	56·48
		Bongong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·25	46·01
	Moorshedabad	Kandi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	55·38
		Berhampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	46·16
		Lalbagh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·15	47·13
		Azimgunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	
		Jungipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	55·01
		Lalgola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	59·02
		Jiagunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43·25
		Akhriguni	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	42·81
		Patkabari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
East Bengal	Chittagong	Cox's Bazar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·28	123·46
		Chittagong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	75·71
		Kutubdia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	113·04
		Satkanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	63·56
	Chittagong Hill Tracts.	Rangamati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·53	62·64
		Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·39	66·25
	Backergunge	Patuakhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·46	87·15
		Pirozepore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·28	71·96
		Burrisal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·32	72·18
		Bhola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·53	78·99

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 13th of December 1889—concld.

Meteorological Division.	District.	Station.	Rainfall. Saturday, 7th December.	Sunday, 8th December.	Monday, 9th December.	Tuesday, 10th December.	Wednesday, 11th December.	Thursday, 12th December.	Friday, 13th December.	Total: Number of rainy days.	Total: Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
...ST BENGAL—*concld.*		*Gournaddi* ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	61·31	?
		Bauphal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	92·54	?
	Noakholly ...	Noakholly ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·88	102·03	107·14
		Feuny ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	77·98	105·85
		Harishpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	82·57	?
		Ramganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	86·75	?
	Furreedpore	Madaripore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	60·80	54·92
		Furreedpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	63·80	55·87
		Goalundo ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	56·29	52·59
	Dacca ...	Munshigunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·30	76·33	69·51
		Dacca ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·16	73·09	58·01
		Naraingunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·32	80·36	59·42
		Manickgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	67·99	49·53
		Joydebpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	66·61	?
	Hill Tipperah	Agartola ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·36	44·08	60·88
	Tipperah ...	Comilla ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·44	62·69	75·41
		Chandpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·34	64·82	75·18
		Brahmunberia ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	50·68	60·85
		Ramchandrapore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60·14	?
		Nasirnagar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	30·39	?
		Daudkandi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	52·29	?
		Kasba ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	62·44	?
		Laksham ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	69·09	?
	Mymensingh ...	Kishoreegunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	69·56	69·32
		Atia (*Tangail*) ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	60·98	54·96
		Mymensingh ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	96·55	75·54
		Jamalpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	85·14	64·61
		Netrakona ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	123·92	72·61
		Subornakhali ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	57·43	?
		Durgapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	149·98	?
		Sherepore Town ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	87·09	?
		Dewanganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	56·31	?
NORTH BENGAL.	Pubna ...	Pubna ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	49·83	55·24
		Serajgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	60·13	52·35
	Bogra ...	Sherepore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	62·66	56·99
		Nowkhilla ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	60·96	53·80
		Bogra ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	70·60	60·10
		Panchbibi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	64·96	55·39
	Rajshahye ...	Besuleah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	46·39	52·59
		Nattore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	58·84	54·29
		Naogaon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	57·87	50·61
		Lalpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	30·72	?
		Manda ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	45·27	?
	Maldah ...	Maldah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	50·53	51·24
		Chanchal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·03	28·96	56·16
		Gajol ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	39·79	?
		Sibganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	51·77	?
	Dinagepore ...	Mohadebpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	53·63	55·79
		Churamon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	51·82	51·90
		Raigunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	52·25	57·21
		Dinagepore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	67·84	58·08
		Balcorghat ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·26	61·28	59·37
		Thakoorgaon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	87·47	?
	Rungpore ...	Bnawaniguuse (*Gyabanda*).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	87·53	61·20
		Rungpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	74·41	73·93
		Kurigram ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	90·97	72·77
		Bagdogra (*Nilphamari*).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	87·69	84·61
		Ulipore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	79·00	?
	Jalpigoree ...	Julpigoree ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	123·27	116·40
		Alipore Door ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	119·58	?
		Fallacotta ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	127·43	?
		Debiganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	89·92	?
		Bhagalpore (*Nagrakatta*).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	138·51	?
	Cooch Behar	Dinhata ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	98·00	95·55
		Cooch Behar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	125·34	117·82
		Mekiligunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	121·37	105·18
		Matabhanga ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	117·63	111·12
	Darjeeling Hills.	Buxa ...	0·01	.....	.....	.....	.....	.....	.....	1	0·01	0·01	0·07	191·09	191·26
		Silliguri ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	126·71	102·44
		Darjeeling ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	127·87	107·98
		Kalimpong ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	91·36	82·30
		Kurseong ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	168·25	?
...TH BENGAL.	Purneah ...	Kissengunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	102·37	69·74
		Arrareah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	70·61	63·22
		Purneah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·18	63·45	61·11
		Gondwara ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Balarampore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Mattari ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Kaliaganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	North Bhagulpore	Maddapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·02	66·85	49·01
		Scopool ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	67·26	47·64
		Protabganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	87·85	?
	Durbhunga ...	Rajpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·04	42·44	42·55
		Baronunga ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	50·01	45·24
		Madhubani ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·03	63·11	44·26
		Bahera ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	69·96	?
		Koshera ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	55·84	?
	Mozufferpore	Sitamarhi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·03	35·06	42·47
		Mozufferpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·04	48·41	44·67
		Hajipore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·04	42·53	41·31
		Para ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	37·09	?
		Mahua ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	41·02	?
		Sishar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Pupri ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	47·60	?

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 13th of December 1889—c

Meteorological Division.	District.	Station.	Rainfall. Saturday, 7th December.	Sunday, 8th December.	Monday, 9th December.	Tuesday, 10th December.	Wednesday, 11th December.	Thursday, 12th December.	Friday, 13th December.	Total. Number of rainy days.	Total. Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Av ra fro to
North Behar —concluded.	Chumparun...	Motihari ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	74·79	
		Bettiah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	52·29	
		Bagaha ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	69·87	
		Burhurwa ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	51·70	
	Sarun ...	Gopalgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	35·48	
		Sewan ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	44·20	
		Chuprah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	40·74	
South Behar	Shahabad ...	Buxar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	47·44	
		Dehree ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·44	42·66	
		Bhabooah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·15	38·16	
		Sasseram ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	29·41	
		Arrah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	42·69	
		Mohaniah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Gya ...	Aurungabad...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·16	35·42	
		Gya ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	39·85	
		Nowadah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	39·59	
		Jehanabad ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	33·40	
		Arwal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	34·34	
		Daudnagar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	26·69	
		Sherrghati ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	29·29	
		Rajauli ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	17·92	
		Pakri Barawan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	31·90	
	Patna ...	Patna ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	51·49	
		Dinapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	45·53	
		Behar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	41·08	
		Barrh ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	35·83	
		Bickram ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43·28	
		Hilsa ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	35·21	
	Monghyr ...	Begooserai ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·04	47·62	
		Monghyr ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·04	41·67	
		Jamui ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·02	39·48	
		Gogri ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59·19	
		Sheikpura ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43·32	
	South Bhagulpore.	Bhagulpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	45·06	
		Banka ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	38·54	
		Kolgong ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	46·97	
		Bangaon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Sonthal Pergunnahs.	Rajmehal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·04	59·90	
		Godda ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	49·04	
		Pakour ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	73·59	
		Nya Doomka ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	56·75	
		Deoghur ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·03	40·40	
		Jamtara ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	45·21	
		Mohagama ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	56·41	
		Nanihat ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	53·87	
Chutia Nagpur.	Hazaribagh ...	Pachamba (*Giridi*). ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	38·90	
		Hazaribagh ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	49·10	
		Semtagurah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·18	36·24	
		Mahudi Hills ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14		
		Jhoomra Hills ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07		
		Barhi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	31·36	
		Chatra ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	46·04	
		Karaydeha ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	39·35	
		Ramghar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?		
	Lohardugga ...	Lohardugga ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·20	45·24	
		Ranchi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	53·61	
		Palamow ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·04	34·16	
		Silli ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	32·30	
		Balumat ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Hosseinabad...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	44·40	
		Garwah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	28·77	
	Singbhoom ...	Chyebassa ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·21	48·76	
		Chaxradharpore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	40·80	
		Ghatsilla ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	58·70	
		Baharagura ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	53·80	
	Manbhoom ...	Purulia ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	43·46	
		Gobindpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	33·19	
		Raghunathpore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	45·91	
		Barrabhoom	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	44·32	
		Jhalda ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	51·42	
		Chas ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	58·56	

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of th are wanting, the corresponding spaces in the total rainfall columns are left blank.

Calcutta *the* 17*th December* 1889.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 13TH DECEMBER 1889.

THE meteorological conditions during the previous week had been those of the ordinary cold-weather season. During the present week these cold-weather conditions have become more strongly pronounced than they had hitherto been, and the weather for the whole week has been typical of the winter or north-east monsoon. Temperature has fallen almost uninterruptedly during the week, and the mean temperature in the different districts of the province for the present week has been from 3° to 2° below the mean temperature for the previous week. The greatest reduction of temperature took place in the first half of the week, and from the Sunday to Monday in particular a fall in the mean temperature of from 2° to 4° took place at many stations, though towards the close of the week temperature was again rising slowly. Pressure, on the other hand, has risen on four or five days out of the seven, the rise on some days being decidedly rapid; and thus on the 7th the rise averaged almost a tenth of an inch, while from the 11th to the 12th it equalled about a twentieth of an inch. On the other hand, on the two days, the 8th and 9th, a fall of almost a tenth of an inch was recorded. The wind directions have been almost steady throughout the week, and a moderately strong north-westerly wind current has been generally reported. Humidity has at most stations continued fairly low, and without much change from day to day. The sky has been practically cloudless over the whole province for the greater part of the week, and absolutely no rain has fallen at any station.

Pressure.—During the previous week the mean pressure was about six to nine hundredths of an inch below the normal, but owing to the decided increase of pressure which has taken place during the present week, this defect has been to a great extent neutralised. The mean pressure for the whole province for the past week has not been more than about one or two hundredths of an inch below the normal, while even at some stations such as Gopalpur, Cuttack, Balasore, and Saugor Island, pressure has now become slightly above the normal.

Temperature.—As previously stated, temperature has fallen steadily almost throughout the week, and the mean temperature for the whole province for the week has been about a degree below the normal, while in South-West Bengal a defect of almost three degrees is reported. Some decidedly low minimum temperatures have been reported during the week, and thus in South-West Bengal, Midnapore on the 11th registered a temperature of 49·2°, Bankoora on the 10th one of 50·0°, and Krishnaghur on the 9th one of 49·9°; while in Behar, Motihari on the 10th registered 45·9°, Arrah 46·2°, and Buxar 46·9°. The lowest minimum temperatures of all have, however, been recorded at Ranchi, where on the 10th a temperature of 43·7° was registered.

The general temperatures recorded in the various districts of the province during the week, and the range from day to night, and their variations from their normal values, are, however, best seen in the following table, where the average maximum, minimum and mean temperatures for the week at nine typical stations are compared with their normal values for the same period. It will be seen from the table that the general night or minimum temperatures have been at most stations decidedly below the normal, the defect at Calcutta exceeding 4°. The maximum or day temperatures have, however, not been very far removed from the normal.

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 13th December 1889.

	Normal mean maximum temperature for the week ending 13th December.	Actual mean maximum temperature for the week ending 13th December 1889.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 13th December.	Actual mean minimum temperature for the week ending 13th December 1889.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 13th December.	Actual mean daily temperature for the week ending 13th December 1889.	Variation of actual mean from the normal.
Cuttack	81·8	81·3	−0·5	58·8	55·9	−2·9	70·3	68·6	−1·7
Calcutta	77·1	75·6	−1·5	58·6	54·4	−4·2	67·9	65·0	−2·9
Dacca	79·7	78·1	−1·6	59·6	57·0	−2·6	69·7	67·6	−2·1
Burdwan	78·6	77·0	−1·6	57·8	54·4	−3·4	68·2	65·7	−2·5
Patna	75·6	75·8	+0·2	52·7	50·8	−1·9	64·2	63·3	−0·9
Gya	76·6	77·2	+0·6	50·7	51·9	+1·2	63·7	64·5	+0·8
Purneah	77·7	75·2	−2·5	51·2	49·7	−1·5	64·5	62·4	−2·1
Hazaribagh	72·1	72·5	+0·4	51·3	49·3	−2·0	61·7	60·9	−0·8
Darjeeling	50·3	53·4	+2·6	55·1	57·8	−0·3	44·5	45·6	+1·1

Rainfall—Has been entirely absent throughout the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 13th of December 1889 :—

Meteorological Divisions.	Temperature						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	85·2	50·5	80·3	56·5	64·4	−1·0	Nil	0·23	−0·23	0·0	0·3	−0·3	Nil	0·37	61·89	53·33
South-West Bengal ...	81·3	49·2	76·6	54·5	65·5	−2·7	Nil	0·04	−0·04	0·0	0·1	−0·1	Nil	0·17	52·36	51·47
East Bengal	81·6	54·1	77·3	57·2	67·2	−1·0	Nil	0·06	−0·06	0·0	0·1	−0·1	Nil	0·32	75·38	75·65
North Bengal	79·1	48·8	76·8	53·8	65·3	−0·6	Nil	0·06	−0·06	0·0	0·1	−0·1	Nil	0·12	73·11	69·82
North Behar*	78·9	45·9	75·5	51·8	63·6	−0·4	Nil	0·06	−0·06	0·0	0·2	−0·2	Nil	0·06	57·66	48·11
South Behar	81·8	46·2	76·4	50·4	63·4	−0·2	Nil	0·08	−0·08	0·0	0·2	−0·2	Nil	0·10	44·16	49·23
Chutia Nagpur	76·1*	43·7*	72·3*	47·7*	60·0*	−1·4*	Nil	0·09	−0·09	0·0	0·2	−0·2	Nil	0·12	43·08	48·68

* Chupra and Chyebassa not included.

Meteorological Office, Bengal;
The 17th December 1889.

A. Pedler,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 8th to 14th December 1889.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.						Hygrometry.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1889.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
December ...	8th ...	30·057	65·2	74·9	19·5	55·4	69·8	60·5	·405	53·1	56	.....
,, ...	9th ...	·003	64·9	75·9	22·0	53·9	68·6	59·7	·395	52·4	56	.....
,, ...	10th ...	·036	63·7	74·4	21·5	52·9	68·6	59·7	·395	52·4	56	.....
,, ...	11th ...	·048	64·7	75·4	21·5	53·9	68·8	61·7	·457	56·4	65	.....
,, ...	12th ...	·093	65·9	75·9	20·0	55·9	69·6	62·7	·479	57·7	66	.....
,, ...	13th ...	·053	65·5	75·9	20·8	55·1	69·6	64·6	·544	61·3	75	.....
,, ...	14th ...	·106	64·0	75·9	23·8	52·1	68·6	59·7	·395	52·4	56	.....

The mean 10 A.M. pressure of the seven days	...	...	Inches. 30·057
The mean temperature of the seven days	...	...	° 64·8
The extreme variation of temperature	...	...	23·8
The maximum temperature	...	...	75·9
The mean 10 A.M. relative humidity of the seven days	...	...	% 61
The total fall of rain from 8th to 14th December 1889	...	...	Inches. Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. Little,
For Meteorological Reporter to the Govt. of India.

Meteorological Office, India;
The 16th December 1889.

Results of the Meteorological Observations taken at the Alipore Observatory from 8th to 14th December 1889.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
1889.		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Dec.	8th	129·6	9·5	29·981	64·6	74·1	18·6	55·5	58·3	0·407	53·2	69	NNW and calm ...	77	Nil	Clear, ≏.
,,	9th	131·2	9·3	·927	62·8	74·5	23·0	51·5	56·0	·388	52·0	71	NW and calm ...	35	,,	Clear, ≏, ═.
,,	10th	125·0	9·0	·944	62·3	73·4	21·6	51·8	57·0	·392	52·2	73	NNW and calm ...	31	,,	Clear ≏, ═.
,,	11th	125·7	9·4	·981	63·6	74·5	21·0	53·5	58·8	·437	55·2	75	N by W and N by E	51	,,	Clear, ≏.
,,	12th	129·3	9·5	30·027	65·0	74·7	17·2	57·5	60·1	·458	56·4	75	N and N by W ...	57	,,	Clear, ≏.
,,	13th	129·8	9·2	·008	63·8	74·9	20·3	54·6	58·3	·418	54·0	73	N and NNW ...	38	,,	Clear, ≏.
,,	14th	131·4	9·2	·043	62·6	74·5	23·2	51·3	58·4	·374	50·9	66	N and NNE ...	43	,,	Clear, ≏, ═.

		Inches.
The mean pressure of the seven days		29·987
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...		30·024
		Hours.
The total number of hours of bright sunshine		65·1
The maximum possible number of hours of sunshine		75·2
		°
The mean temperature of the seven days		63·5
The average temperature of the corresponding period for 24 years, S.-G.'s Office		68·2
The extreme variation of temperature		23·6
The maximum temperature		74·9
		Miles.
The highest velocity of the wind in one hour		10
		lbs.
The highest pressure of wind on one square foot	Not measurable.	
		%
The mean relative humidity		72
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office		71
		Inches.
The total fall of rain from 8th to 14th December 1889 ...		Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...		0·03
The total fall from 1st January to 14th December 1889		57·44
The average fall of the corresponding period for 24 years, S.-G.'s Office ...		63·22

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the new Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly in the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

≏ dew; ═ fog.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 16th December 1889.

MEMORANDUM.

THE principal Municipalities in Bengal registered, during the week ending 30th November 1889, births and deaths at the rates of 27·7 and 32· per 1,000 of population, respectively, as opposed to 29·7 and 38·5 per 1,000 in the preceding week ending 30th November, indicating a large retrogression in the registration of both the events.

2. These events were returned in the highest proportions from the following Municipalities :—

Births.

	Ratio per *mille*.
Rampore Beauleah	47·3
Hughli and Chinsurah	45·9
Serampore	45·1
Comiliah	42·4
Naraingani	41·4
Monghyr	38·9
Chupra	37·2
Ranaghat	35·9
Durbhanga	35·4
Midnapore	34·1
Howrah	32·1

Deaths.

	Ratio per *mille*.
Naraingani	111·8
Serampore	109·9
Burdwan	67·1
Poori	62·9
Jessore	55·1
Bali	52·6
Hughli and Chinsurah	45·9
Gya	43·0
Howrah	36·1
Ranaghat	35·9
Midnapore	32·5
Monghyr	31·9
Durbhanga	31·5
Comillah	30·8

3. The subjoined table gives the death-rates from the principal diseases. The figures denote that, as compared with the results of the preceding week, there was an abatement of mortality from all the diseases, excepting injury :—

	Ratio per *mille* during the weeks ending—	
	30th November 1889.	23rd November 1889.
Cholera	5·2	6·6
Small-pox	·1	·2
Fever	14·0	14·9
Bowel-complaints	4·8	5·9
Injury	·4	·4
Other causes	7·5	10·4

4. The highest death-rates from cholera, fever, bowel-complaints and the diseases coming under the head of "Other causes" were returned from the following Municipalities, small-pox and injury not proving conspicuously fatal anywhere :—

Cholera.

	Ratio per *mille*.
Naraingani ...	66·2
Serampore ...	47·1
Bali ...	21·1
Burdwan ...	16·8
Comillah ...	15·4
Howrah ...	9·7

Fever.

	Ratio per *mille*.
Jessore ...	49·0
Gya ...	30·7
Hughli and Chinsurah ...	29·5
Burdwan ...	22·9
Poori ...	20·9

Bowel-complaints.

	Ratio per *mille*.
Serampore ...	17·7
Burdwan ...	13·7

Other causes.

	Ratio per *mille*.
Serampore ...	29·4
Poori ...	20·9
Naraingani ...	20·7
Burdwan ...	13·7
Chupra ...	11·1
Midnapore ...	10·8
Gya ...	10·2

5. With reference to *Sex*, *Class* and *Age*, the mortality of the week stood as follows :—

According to Sex.

	Ratio per *mille*.
Males	34·8
Females	29·0
Ratio of male deaths to every 100 female deaths	129

According to Class.

	Ratio per *mille*.
Christians	14·9
Hindus	34·2
Mahomedans ...	27·0
Other classes ...	76·8

According to Age.

	Ratio per *mille*.
Under 1 year ...	239·7
1 and under 5 years ...	40·3
5 „ 10 „ ...	17·9
10 „ 15 „ ...	12·4
15 „ 20 „ ...	16·7
20 „ 30 „ ...	18·3
30 „ 40 „ ...	22·3
40 „ 50 „ ...	31·1
50 „ 60 „ ...	29·1
60 years and upwards ...	86·1

The 16th December 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

2	3				4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
					NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.				Disease.															Sex.				
												DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.								DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths.
Burdwan ..	Burdwan	18,663	16,017	34,080	8	6	14	12·2	9·2	21·4	133	11	...	15	9	...	9	44	16·8	...	22·9	13·7	..	13·7	67·1	47·3	31	13	89·2	42·2	238
Midnapore ...	Midnapore ..	16,927	16,633	33,560	12	10	22	18·5	15·5	34·1	120	2	...	6	6	...	7	21	3·1	...	9·3	9·3	...	10·3	32·5	29·4	10	11	30·7	34·4	90
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	17	11	28	27·9	18·0	45·9	154	...	...	18	5	1	4	28	...	...	29·5	8·2	1·6	6·6	45·9	50·9	22	6	72·1	19·7	366
Serampore ...	Serampore ...	13,559	12,937	26,496	10	13	23	19·6	25·5	45·1	76	24	...	8	9	...	15	56	47·1	...	15·7	17·7	...	29·4	109·9	137·4	35	21	134·2	84·4	166
	Utterpara	3,046	2,464	5,510	3	...	3	28·3	...	28·3	No female birth.	1	...	...	2	...	...	3	9·4	...	..	18·2	...	...	28·3	84·9	2	1	54·1	21·1	200
Howrah ..	Howrah	53,153	37,660	90,813	33	23	56	18·9	13·2	32·1	143	17	...	20	12	...	14	63	9·7	...	11·5	6·9	...	8·0	36·1	41·5	38	25	37·2	34·5	152
	Bali	7,836	6,979	14,815	4	2	6	14·0	7·0	21·1	200	6	...	5	3	...	1	15	21·1	...	17·5	10·5	...	3·5	52·6	49·1	7	8	46·5	53·6	87
Nuddea ..	Kishnaghur ...	13,363	14,214	27,477	6	2	8	11·3	3·8	15·1	300	...	...	7	...	...	1	8	...	...	13·2	...	...	1·9	15·1	24·3	6	2	23·5	7·3	300
	Ranaghat	5,028	4,655	8,683	6	.	6	35·9	...	35·9	No female birth.	...	...	3	1	...	2	6	...	...	17·9	6·9	...	12·9	35·9	24·0	5	1	64·5	11·2	500
	Santipore	13,708	15,979	29,687	5	5	10	8·7	8·7	17·5	100	...	...	5	1	...	1	7	...	...	8·7	1·7	..	1·7	12·3	14·0	3	4	11·4	13·0	75
Jessore ..	Jessore	4,830	3,665	8,495	2	2	4	12·2	12·2	24·5	100	...	...	8	...	...	1	9	...	...	49·0	...	...	6·1	55·1	30·6	8	1	86·1	14·2	800
Rajshahye ..	Rampore Beauleah	10,786	9,025	19,791	9	9	18	23·6	23·6	47·3	100	...	...	6	...	...	3	9	...	...	15·7	...	...	7·9	23·6	18·4	4	5	19·3	23·8	80
Darjiling ..	Darjiling	4,579	2,439	7,018	...	2	2	...	14·8	14·8	No male birth.	...	..	3	...	...	...	3	...	...	22·2	...	...	...	22·2	81·5	3	...	34·1	...	No female death.
Dacca ...	Dacca	42,782	37,379	80,161	24	12	36	15·6	7·8	23·4	200	4	...	15	6	...	14	39	2·6	...	9·7	3·9	...	9·1	25·3	31·8	22	17	26·7	23·6	129
	Narainganj ...	7,605	4,956	12,561	3	7	10	12·4	29·0	41·4	42	16	...	4	2	...	5	27	66·2	...	16·6	8·3	...	20·7	111·8	49·7	22	5	150·4	52·5	440
Chittagong ...	Chittagong ...	13,340	8,790	22,130	8	2	10	13·8	4·7	23·5	400	..	...	3	2	...	1	6	...	...	7·0	4·7	...	2·3	14·1	11·7	3	3	11·7	17·7	100
Tipperah ..	Comillah	8,153	5,353	13,506	7	4	11	27·0	15·4	42·4	175	4	...	1	2	..	1	8	15·4	...	3·8	7·7	...	3·8	30·8	19·3	2	6	12·8	58·3	33
Patna	Patna City ...	73,762	81,475	160,237	31	20	51	10·1	6·5	16·6	155	6	...	19	15	3	7	50	1·9	...	6·2	4·8	1·0	2·3	16·2	9·1	18	32	11·9	20·4	56
Gya	Gya	38,290	37,831	76,121	18	18	36	12·3	12·3	24·6	100	1	...	45	1	1	15	63	·7	...	30·7	·7	·7	10·2	43·0	62·8	34	29	46·2	39·9	117
Shahabad ...	Arrah	20,260	22,505	43,465	11	11	22	13·1	13·1	26·3	100	...	...	12	...	...	1	13	...	...	14·4	...	..	1·2	15·6	22·7	4	9	9·9	20·8	44
Mozufferpore..	Mozufferpore ...	23,084	19,658	42,742	8	13	21	9·7	15·8	25·5	61	2	...	7	5	1	4	19	2·4	...	8·5	6·1	1·2	4·9	23·1	43·8	8	11	18·0	29·1	72
Durbhanga ..	Durbhanga ...	33,774	32,922	66,696	26	19	45	20·5	14·9	35·4	136	4	...	25	5	...	6	40	3·1	...	19·7	3·9	...	4·7	31·5	31·5	25	17	35·4	27·3	135
Sarun	Chupra	25,116	26,554	51,670	18	19	37	18·1	19·1	37·2	94	3	...	7	4	2	11	27	3·0	...	7·0	4·0	2·0	11·1	27·2	18·1	13	14	26·9	27·4	93
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	14	10	24	12·7	9·0	21·7	140	...	...	9	2	...	10	21	...	...	8·1	1·8	...	9·0	19·0	24·4	9	12	15·8	22·4	75
Monghyr ..	Monghyr	28,154	29,366	57,520	22	21	43	19·9	19·0	38·9	104	2	...	20	2	...	11	35	1·8	...	18·1	1·8	...	9·9	31·6	38·4	19	16	35·1	28·3	118
Purneah ...	Purneah	8,463	6,553	15,016	2	3	5	6·9	10·4	17·3	66	...	...	4	...	...	...	4	...	...	13·9	...	...	...	13·9	20·8	1	3	6·1	23·8	33
Poori	Poori	13,247	11,537	24,784	9	5	14	18·9	10·5	29·4	180	3	3	10	4	...	19	30	6·3	6·3	20·9	8·4	...	20·9	62·9	151·1	17	13	66·7	58·6	130
	Total ...	550,986	510,588	1,061,574	316	249	565	15·5	12·2	27·7	126	105	3	285	98	8	154	654	5·2	·1	14·0	4·8	·4	7·5	32·9	38·5	369	283	34·8	29·0	129

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	29	15	...	...	...	63·7	76·0	...	...	8	2	3	2	1	10	3	4	2	9	63·3	46·1	66·9	41·3	16·3	65·6	22·6	47·1	42·4	315·8
Midnapore ...	Midnapore ...	...	18	3	...	...	...	36·1	21·6	...	...	2	1	...	1	2	2	2	5	1	5	140·0	22·1	...	17·1	32·9	14·2	18·8	69·8	25·2	142·1
Hughli ...	Hughli and Chinsurah	...	22	6	...	...	...	45·3	50·6	...	...	6	3	2	1	...	2	1	6	3	4	388·5	70·3	36·0	21·0	...	16·8	9·1	74·8	60·0	100·3
Serampore ...	Serampore ...	...	54	2	...	...	...	111·3	119·9	...	...	9	9	3	2	5	10	4	5	5	4	659·2	259·3	62·1	46·8	119·1	96·5	41·8	77·1	135·8	149·5
	Utterpara	...	3	...	...	...	...	29·3	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	...	...	98·0	...	...	200·0
Howrah ...	Howrah	2	46	14	...	1	54·9	35·1	35·5	...	215·8	16	9	3	1	2	12	10	7	4	5	252·1	84·5	24·8	7·9	14·2	27·5	27·0	31·0	37·9	69·3
	Bali	...	13	2	...	...	...	50·4	79·3	...	...	3	5	...	...	...	2	1	1	...	3	430·9	260·3	...	...	...	31·1	18·6	26·9	...	213·1
Nuddea ...	Kishnaghur	5	3	...	...	...	14·0	18·8	...	...	1	1	1	...	...	...	2	1	...	2	104·8	21·1	15·1	...	...	...	24·3	15·9	...	60·2
	Ranaghat	6	...	...	...	...	42·6	...	...	...	2	...	...	...	...	...	3	1	...	...	502·4	...	...	...	...	...	125·1	51·8	...	...
	Santipore	6	1	...	...	...	15·1	5·8	...	...	1	1	1	1	...	...	...	1	...	2	61·5	17·9	13·8	17·9	...	...	...	14·8	...	53·0
Jessore ...	Jessore	5	4	...	...	...	57·6	54·4	...	...	2	...	...	...	...	2	2	1	1	1	536·1	...	...	...	...	51·6	68·0	49·5	92·4	113·5
Rajshahye ...	Rampore Beauleah ...	6	3	...	...	...	31·5	15·9	...	...	2	...	2	...	...	1	2	1	...	1	256·2	...	50·0	...	...	12·5	28·9	21·2	...	54·0
Darjiling ...	Darjiling	3	...	...	...	...	34·0	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	52·0	...	75·1	...	...
Dacca ...	Dacca	21	18	...	...	...	27·1	23·8	...	...	9	1	3	1	3	4	6	3	4	5	246·6	7·1	15·7	6·5	21·4	13·6	26·8	18·6	43·9	46·7
	Narainganj	24	3	...	...	...	197·3	25·3	...	...	3	1	...	...	...	2	6	8	...	7	559·1	45·6	...	...	...	39·0	145·9	298·6	...	558·3
Chittagong ...	Chittagong	1	5	...	...	...	9·0	17·0	...	...	1	1	...	...	...	...	2	1	...	1	92·4	26·4	...	...	...	...	31·2	23·0	...	65·3
Tipperah ...	Comillah	5	3	...	...	...	43·7	21·1	...	...	...	1	...	1	...	2	2	1	1	...	...	39·8	...	35·6	...	37·7	52·2	39·6	64·9	...	
Patna	Patna City	38	12	...	...	...	13·6	15·3	...	...	5	6	6	1	4	4	5	6	...	13	60·3	21·4	18·5	5·6	18·6	7·2	11·2	13·6	...	48·9
Gya ...	Gya	50	13	...	...	...	41·3	42·0	...	...	11	9	1	2	2	4	6	9	2	17	319·6	73·7	7·4	15·5	19·9	14·1	24·5	47·9	15·8	171·8
Shahabad ...	Arrah	8	5	...	...	...	13·4	21·0	...	...	3	2	...	1	...	2	1	1	...	3	121·1	23·5	...	11·8	...	13·2	8·1	11·1	...	54·1
Mozufferpore ...	Mozufferpore	15	4	...	...	...	26·0	16·7	...	...	5	2	2	...	1	2	...	1	4	2	272·3	25·7	23·1	...	17·2	12·1	...	10·4	64·1	42·7
Durbhanga ...	Durbhanga	25	15	...	...	...	26·9	44·4	...	...	13	9	5	2	...	3	3	...	1	4	434·2	61·5	33·2	15·7	...	11·7	14·0	...	11·9	65·1
Sarun	Chupra	23	4	...	...	...	32·7	17·5	...	...	7	2	1	2	1	3	...	4	3	4	258·0	20·1	8·7	20·7	15·0	16·9	...	34·2	37·7	61·1
Bhagulpore ...	Bhagulpore	15	8	...	...	...	22·8	15·0	...	...	5	1	1	1	2	...	4	2	1	4	217·8	9·6	8·9	8·3	24·9	...	22·4	16·5	12·2	57·7
Monghyr ...	Monghyr	28	9	...	...	...	30·2	37·2	...	...	4	5	2	3	1	3	...	3	6	8	140·1	14·8	14·7	27·2	13·8	15·1	...	24·5	78·5	116·0
Purneah ...	Purneah	2	1	...	...	...	17·0	9·2	...	...	...	...	...	1	...	...	2	...	1	...	...	...	...	43·5	...	...	36·5	...	55·5	...	
Poori ...	Poori	30	...	...	...	...	63·6	...	...	...	5	1	2	...	2	2	6	3	5	4	858·1	28·9	46·4	...	55·9	19·7	77·0	46·9	116·5	115·2
	TOTAL ...	2	438	153	...	1	14·9	34·2	27·6	...	76·8	117	72	38	23	26	74	75	76	44	109	239·7	40·3	17·9	12·4	16·7	18·2	22·3	31·6	29·5	86·2

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 14th December 1889, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 14th December 1889.			Week ending Saturday, the 15th December 1888.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	1,149	73,775	932	811	1,50,2[illegible]	1,340
Jute	400	2,32,850	4,455	296	1,61,725	2,972
Firewood	74	45,050	653	182	1,38,500	1,452
Other articles	1,206	2,74,675	4,276	1,179	2,80,235	4,275
Total ...	2,829	6,26,350	10,316	2,468	7,30,700	10,039

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 7th December 1889, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*252,560	*3,16,982 8 0	24,61,747 30	6,19,061 9 0	20,020 2 4	9,56,064 3 4	69,128½	84,207½	153,335½
Or per mile of railway	.....	207 12 8	.....	405 12 11	13 2 0	626 11 7	.....	.....	.....
For previous 22 weeks of half-year	5,262,348	57,22,919 1 0	4,66,12,690 30	1,04,04,018 2 6	3,76,830 10 8	1,65,03,767 14 2	1,445,193	1,766,161	3,211,354
Total for 23 weeks ...	5,514,908	60,39,901 9 0	4,90,74,438 20	1,10,23,079 11 6	3,96,850 13 0	1,74,59,832 1 6	1,514,321½	1,850,368½	3,365,689½
Comparison.									
Total for corresponding week of previous year	219,064½	2,87,577 15 4	23,40,097 10	6,14,662 11 6	16,225 5 10	9,18,466 0 8	69,371	90,444	159,815
Per mile of railway corresponding week of previous year ...	.....	188 8 2	.....	402 14 10	10 10 2	602 1 2	.....	.....	.....
Total to corresponding date of previous year	5,368,132½	59,69,139 6 6	5,39,27,159 20	1,12,19,446 12 7	3,98,714 14 3	1,75,87,301 1 4	1,497,170	1,860,391	3,357,561

* The increase in coaching traffic is due to running of special trains carrying remounts and mules for Government and to movements of native chiefs.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 8th December 1888.			Receipts for week ending 7th December 1889.			Total receipts from 1st April 1888 to 8th December 1888.			Total receipts from 1st April 1889 to 7th December 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,525½	9,18,466	602	1,525½	9,56,064	627	1,525½	2,95,12,006	537	1,525½	2,94,86,587	537	.....	25,419

PATNA-GYA STATE RAILWAY

Approximate Return of Traffic for week ended 7th December 1889, *on* 57½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	11,902	6,181 0 0	32,942 0	2,245 14 0	38 5 0	8,465 3 0	1,906½	504	2,41
Or per mile of railway	208	108 0 11	576 0	39 4 3	0 10 9	147 15 11	.....	.....	.....
For previous 22 weeks of half-year	*299,725	*1,66,889 2 0	†9,40,531 0	†49,213 1 0	‡990 4 3	2,17,092 7 3	34,071	15,991	50,06
Total for 23 weeks ...	311,627	1,73,070 2 0	9,73,473 0	51,458 15 0	938 9 3	2,25,467 10 3	35,977½	16,495	52,47
Comparison									
Total for corresponding week of previous year	8,962	4,280 1 5	54,276 30	2,505 2 0	36 11 9	6,821 15 2	1,821	864	2,70
Per mile of railway corresponding week of previous year ...	156½	74 13 3	949 0	43 12 9	0 10 3	119 4 3	.....	.....	.....
Total to corresponding date of previous year	307,057	1,69,359 3 7	9,66,923 20	54,962 5 0	1,312 2 6	2,25,633 11 1	42,105	15,929	58,02

* Added number of passengers 4,076 and Rs. 2,893
† Ditto maunds 66,276 ,, 411
‡ Deducted ,, 18
} on account of differences between the approximate and audited returns to week ended 26th October 1889.

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 8th December 1888.			Receipts for week ending 7th December 1889.			Total receipts from 1st April 1888 to 8th December 1888.			Total receipts from 1st April 1889 to 7th December 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	6,822	119	57½	8,465	148	57½	3,39,558	165	57½	*3,39,467	165	.....	91

* Added Rs. 3,286 on account of difference between the approximate and audited figures to week ended 26th October 1889.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 7th December 1889, *on* 22¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week... ...	16,144	4,253 14 0	11,200 30	443 11 0	8 11 0	4,706 4 0	906	230	1,136
Or per mile of railway	.....	191 2 11	.....	19 15 1	0 6 3	211 8 3	.....	.....	.....
For previous 22 weeks of half-year	*392,196	*96,624 14 0	†1,91,373 30	†5,685 5 0	‡126 8 6	1,02,436 11 6	20,249	1,457	21,706
Total for 23 weeks ...	408,340	1,00,878 12 0	2,02,574 20	6,129 0 0	135 3 6	1,07,142 15 6	21,155	1,687	22,842
Comparison.									
Total for corresponding week of previous year	16,780½	4,258 10 2	5,888 30	249 1 0	8 2 9	4,515 13 11	907	61	968
Per mile of railway corresponding week of previous year ...	.....	191 6 5	.....	11 3 1	0 5 10	202 15 4	.....	.....	.....
Total to corresponding date of previous year	412,016½	1,01,909 5 11	1,14,222 0	4,507 1 0	153 14 6	1,06,570 5 5	21,248	1,104	22,352

* Added number of passengers 6,699 and Rs. 2,078
† Ditto maunds 23,636 ,, 150
‡ Ditto ,, 13
} on account of differences between the approximate and audited returns to week ended 26th October 1889.

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 8th December 1888.			Receipts for week ending 7th December 1889.			Total receipts from 1st April 1888 to 8th December 1888.			Total receipts from 1st April 1889 to 7th December 1889.			Total increase in 1889.	Total decrease in 1889.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	4,516	203	22¼	4,706	212	22¼	1,92,917	241	22¼	1,89,776*	237	.....	3,141

* Added Rs. 2,241 on account of difference between the approximate and audited figures to week ended 26th October 1889.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 30th November 1889, on 747 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	140,570	76,930 0 0	7,44,150 0	2,10,790 0 0	23,620 0 0	3,11,340 0 0	21,680	38,723	58,403
Or per mile of railway ...	188	103 0 0	996 0	282 0 0	†7 0 0	392 0 0	.....	.....	.....
For previous 21 weeks of half-year	2,887,714	13,44,293 0 0	1,30,55,820 0	33,13,006 0 0	3,34,901 0 0	*49,92,200 0 0	466,046	596,356	1,062,402
Total for 22 weeks ...	3,028,264	14,21,223 0 0	1,37,99,970 0	35,23,796 0 0	3,58,521 0 0	53,03,540 0 0	487,726	635,079	1,120,805
COMPARISON.									
Total for corresponding week of previous year	139,379	75,447 0 0	5,67,917 0	1,50,926 0 0	26,679 0 0	2,53,052 0 0	20,936	28,805	49,741
Per mile of railway corresponding period of previous year ..	207	112 0 0	844 0	224 0 0	†11 0 0	347 0 0	.....	.....	.....
Total to corresponding date of previous year	2,963,760	13,48,106 0 0	1,36,35,050 0	34,79,044 0 0	3,70,003 0 0	51,97,153 0 0	455,206	670,864	1,126,070

* Audited up to week ending 19th October 1889.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Receipts for week ending 1st December 1888.			Receipts for week ending 30th November 1889.			Total receipts from 1st April 1888 to 1st December 1888.			Total receipts from 1st April 1889 to 30th November 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
673	2,58,652	376	747	3,11,340	417	673	71,52,625	304	720	*74,38,982	295	2,86,357	... .

* Audited up to week ending 19th October 1889.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 30th November 1889, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	26,720	10,680 0 0	34,460 0	2,820 0 0	1,150 0 0	14,650 0 0	3,606	2,066	5,672
Or per mile of railway	214	85 0 0	276 0	23 0 0	9 0 0	117 0 0	.....	.....	.....
For previous 21 weeks of half-year	566,803	1,98,662 0 0	12,28,887 0	1,13,322 0 0	3,520 0 0	*3,15,504 0 0	75,269	48,174	123,443
Total for 22 weeks ...	593,523	2,09,342 0 0	12,63,347 0	1,16,142 0 0	4,670 0 0	3,30,154 0 0	78,875	50,240	129,115
COMPARISON.									
Total for corresponding week of previous year	26,164	9,634 0 0	42,397 0	2,897 0 0	78 0 0	12,609 0 0	3,606	2,066	5,672
Per mile of railway corresponding period of previous year ...	209	77 0 0	339 0	23 0 0	1 0 0	101 0 0	.....	.....	.....
Total to corresponding date of previous year	585,163	1,93,547 0 0	13,14,164 0	1,32,864 0 0	1,726 0 0	3,28,137 0 0	79,500	55,583	135,083

* Audited up to week ending 19th October 1889.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 1st December 1888.			Receipts for week ending 30th November 1889.			Total receipts from 1st April 1888 to 1st December 1888.			Total receipts from 1st April 1889 to 30th November 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	12,600	101	125	14,650	117	125	4,89,939	112	125	*5,10,002	117	20,063	.....

* Audited up to week ending 19th October 1889.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 30th November 1889, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-Miles	
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
Total traffic for the week	18,060	6,370 0 0	48,140 0	4,860 0 0	330 0 0	11,560 0 0	2,547	1,552
Or per mile of railway	210	74 0 0	560 0	56 0 0	4 0 0	134 0 0	.....	.....
For previous 21 weeks of half-year	295,670	1,02,213 0 0	5,14,000 0	46,439 0 0	5,118 0 0	*1,53,770 0 0	52,463	14,289
Total for 22 weeks ...	313,730	1,08,583 0 0	5,62,140 0	51,299 0 0	5,448 0 0	1,65,330 0 0	55,010	15,841
COMPARISON.								
Total for corresponding week of previous year	22,421	6,599 0 0	27,948 0	2,185 0 0	330 0 0	9,114 0 0	2,510	614
Per mile of railway corresponding period of previous year	261	77 0 0	325 0	25 0 0	4 0 0	106 0 0	.....	.....
Total to corresponding date of previous year	310,266	97,544 0 0	3,34,497 0	26,071 0 0	4,208 0 0	1,27,823 0 0	55,234	14,556

* Audited up to week ending 19th October 1889.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 1st December 1888.			Receipts for week ending 30th November 1889.			Total receipts from 1st April 1888 to 1st December 1888.			Total receipts from 1st April 1889 to 30th November 1889.			Total increase in 1889-90.	T decre 188
Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
86	9,114	106	86	11,560	134	86	1,02,814	64	86	*2,40,497	80	47,683	..

* Audited up to week ending 19th October 1889.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 7th December 1889, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-Miles	
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
Total traffic for the week ...	3,519	1,227 0 0	8,986 0	604 0 0	54 0 0	1,885 0 0	509	254
Or per mile of railway	129	45 0 0	330 0	22 0 0	2 0 0	69 0 0	.....	.....
For previous 21 weeks of half-year	68,135	24,514 0 0	1,94,029 0	12,635 0 0	1,456 0 0	38,605 0 0	11,125	8,839
Total for 22 weeks ...	71,654	25,741 0 0	2,03,015 0	13,239 0 0	1,510 0 0	40,490 0 0	11,634	9,093
COMPARISON.								
Total for corresponding week of previous year	2,959	1,105 0 0	9,812 0	639 0 0	9 0 0	1,783 0 0	509	417
Per mile of railway corresponding week of previous year ...	108	41 0 0	360 0	24 0 0	.....	65 0 0	.....	.....
Total to corresponding date of previous year	70,001	24,892 0 0	2,64,466 0	15,592 0 0	2,059 0 0	42,543 0 0	11,707	9,180

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 8th December 1888.			Receipts for week ending 7th December 1889.			Total receipts from 1st April 1888 to 8th December 1888.			Total receipts from 1st April 1889 to 7th December 1889.			Total increase in 1889-90.	T decre 188
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
27¼	1,783	65	27¼	1,885	69	27¼	68,971	72	27¼	66,309	70	.....	

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 7th December 1889, on 273 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	40,176	16,619 0 0	2,03,727 0	27,246 0 0	5,341 0 0	49,206 0 0	6,512	6,388	12,900
Or per mile of railway	147	61 0 0	746 0	100 0 0	2 0 0	183 0 0*	.....	.....	.....
For previous 21 weeks of half-year	871,806	3,16,806 0 0	36,46,137 0	3,57,311 0 0	82,917 0 0	7,57,034 0 0	114,699	116,606	231,305
Total for 22 weeks ...	911,982	3,33,425 0 0	38,49,864 0	3,84,557 0 0	88,258 0 0	8,06,240 0 0	121,211	122,994	244,205
COMPARISON.									
Total for corresponding week of previous year	34,690	12,830 0 0	1,32,232 0	18,612 0 0	3,702 0 0	35,144 0 0	5,273	5,079	10,352
Per mile of railway corresponding week of previous year ...	127	47 0 0	484 0	68 0 0	1 0 0	116 0 0*	.....	.....	.....
Total to corresponding date of previous year	899,905	3,08,553 0 0	30,10,050 0	2,66,092 0 0	64,351 0 0	6,38,996 0 0	119,541	116,920	236,461

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 8th December 1888.			Receipts for week ending 7th December 1889.			Total receipts from 1st April 1888 to 8th December 1888.			Total receipts from 1st April 1889 to 7th December 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
273	35,144	129	273	49,206	180	262·83	11,36,546	124	273	13,30,608	139	1,94,062	.....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 16th November 1889	9,615
Corresponding week last year	11,048
Decrease	1,433
Receipts from 1st July to 16th November 1889	2,20,119
From 1st July to 17th November 1888	2,41,937
Decrease	21,818

Compared with 1887, there is an increase of Rs. 20,670 for the corresponding period.

	Miles.
Miles open week ending 16th November 1889	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 16th November 1889	188 8 5
Corresponding week last year	216 10 2
Decrease	28 1 9

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 23rd November 1889	11,201
Corresponding week last year	11,433
Decrease	232
Receipts from 1st July to 23rd November 1889	2,31,320
From 1st July to 24th November 1888	2,53,370
Decrease	22,050

Compared with 1887, there is an increase of Rs. 18,856 for the corresponding period.

	Miles.
Miles open week ending 23rd November 1889	51
Corresponding week last year	51
	Rs. A. P.
Receipts per mile open week ending 23rd November 1889	219 10 0
Corresponding week last year	224 2 10
Decrease	4 8 10

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REGISTERED No. 29.]

No. 52 of 1889.

SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, DECEMBER 25, 1889.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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DONATIONS MADE BY THE MAHARAJAS OF BETTIAH AND HATWA IN AID OF THE BEHAR SANSKRIT SANJIVAN.

GENERAL DEPARTMENT—EDUCATION.

Calcutta, the 19th December 1889.

RESOLUTION.

READ—

A letter from the Director of Public Instruction, No. 6512, dated the 27th November, 1889, reporting, for the information of Government, the offers made by the Maharajas of Bettiah and Hatwa of donations of Rs. 1,500 and Rs. 1,000 respectively, in aid of the Behar Sanskrit Sanjivan, in support of which an annual grant of Rs. 500 was sanctioned in Government Resolution, dated the 25th February, 1888.

The Lieutenant-Governor has much pleasure in accepting these liberal donations, and in doing so desires that the thanks of Government may be conveyed to the Maharajas of Bettiah and Hatwa for their public-spirited liberality.

ORDER.—Ordered, that this Resolution be published in the *Calcutta Gazette*, and that a copy of it be forwarded to the Director of Public Instruction for information, and for communication to the Maharajas of Bettiah and Hatwa.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Government of Bengal.

REVISED RULES FOR INDIAN GOVERNMENT SCHOLARS IN ENGLAND.

THE following is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,
Secretary to the Government of Bengal.

No. 122 (Public), dated India Office, London, the 7th November 1889.

From—The Right Honourable VISCOUNT CROSS, G.C.B., Her Majesty's Secretary of State for India,

To—His Excellency the Most Honourable the Governor-General of India in Council.

IN continuation of my Despatch No. 45, dated the 24th of March 1887, I enclose, for the information of Your Excellency in Council, a copy of the Rules for the guidance of Indian Scholars while in this country, as recently revised by me.

2. I request that these revised Rules may be substituted for the Rules forwarded with the Despatch above mentioned.

Rules for Indian Government Scholars in England.

1. Every scholar shall, on reaching England, at once present himself at the India Office, and report his arrival in writing.

2. Every scholar shall, without any unnecessary delay, inform the Secretary of State to which University he intends to proceed, and shall at once take steps to enter himself at the College he has selected.

3. Every scholar shall, within four weeks of reaching England, submit for the approval of the Secretary of State a statement showing the general course of study he proposes to follow; and the course approved shall not be changed without the sanction of the Secretary of State.

4. Every scholar shall, at the end of each University term, submit to the Secretary of State a certificate from the proper College or University authority, showing that his residence, conduct, and progress in study have been satisfactory during the term.

5. Every scholar shall at all times obey such instructions as he may receive from the Secretary of State.

6. Subject to a due compliance with the above conditions, the allowance, at the rate of 200*l.* a year for three years, will be paid quarterly, in advance, by the India Office, commencing from the date of the scholar's reporting his arrival in England.

7. Every scholar will forfeit his scholarship who, not being disabled by illness or prevented by any other cause which the Secretary of State may consider sufficient, fails to complete a residence of three years in England, or who is guilty of misconduct or disregard of the orders of the Secretary of State. If a scholarship be forfeited, the scholar will lose his claim to a free return passage to India, and will further become liable to refund the cost of his free passage to England.

8. The scholars will be under the special supervision and charge of the Political Aide-de-Camp to the Secretary of State, through whom the necessary orders will be given, and to whom all reports and other communications respecting them should be sent.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 21st December 1889.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
BURDWAN DIVN. 1	Burdwan Dec. 21, '89	Nil	Weather—cold. *Amun* is being harvested; outturn 8 to 11 annas. Prospects of *rubbi* crops not favourable. Sugarcane is a good crop. Prices of common rice:— Burdwan ... ... Srs. 14½ / Culna ... ... 13 / Cutwa ... ... 14¼ / Raneegunge ... ... 16½ } per rupee.
2	Bankoora „ 21, '89	Nil	Weather—seasonable. Harvesting of *amun* continues. *Rubbi* crops doing well. Sugarcane is expected to yield a bumper crop. Rice is selling at 21 seers per rupee at Sudder and 16½ seers at Bishenpore.
3	Birbhum „ 21, '89	Nil	Weather—seasonable. About three-fourths of *amun* rice reaped. Cold-weather crops doing very well. New rice sells at 16½ seers per rupee at Soory and 17¼ seers at Rampur Hât.
4	Midnapur „ 21, '89	Nil	Weather—cool and seasonable. Harvesting of rice going on. *Rubbi* crops fair. Indigo doing well. Prices of rice:— Sudder ... ... Srs. 15 / Contai ... ... 16 / Tumluk ... ... 18 (new rice) / Ghatal ... ... 15½ } per rupee.
5	Hooghly „ 21, '89	Nil	Harvesting of *amun* still continues. *Rubbi* crops, especially potatoes, are expected to turn out well. Sugarcane is a good crop. Prices of common rice:— Sudder ... ... Srs. 12 / Serampore ... ... 12 / Jehanabad ... ... 16 } per rupee.
	Howrah „ 21, '89	Nil	Weather—cool and pleasant. Harvesting of winter rice nearly completed. Prices of common rice:— Howrah ... ... Srs. 12 / Uluberya ... ... 14 } per rupee.
	Central Districts.		
PRESIDENCY DIVN. 6	24-Perghs. Dec. 21, '89	Nil	Whether—fine. *Amun* harvest in full progress; outturn expected to be 16 annas. Sowing of *rubbi* finished, and prospects favourable. Price of common rice varies from 13 seers to 17 seers 10½ chittacks per rupee.
7	Nuddea „ 21, '89	Nil	Weather—seasonable. *Amun* rice is being threshed and yielding a fair outturn. Winter crops are doing well.
8	Khoolna „ 21, '89	Nil	Weather—seasonable. *Amun* harvest continues; outturn expected to be about 13 annas. Prospects of winter crops fair.
9	Jessore „ 21, '89	Nil	Weather—seasonable. *Amun* is still being harvested. Cold-weather crops thriving and reported to be generally fair. Price of rice has fallen.
10	Moorshedabad „ 21, '89	Nil	Weather—fine, clear and cold. Wind N. *Amun* is being harvested. The re-sowing of wheat necessitated by the November rain is completed. Prospects good.
RAJSHAHYE DIVN. 11	Dinagepur „ 21, '89	Nil	Weather—fine in early part of week, slightly cloudy on 19th and 20th. Fogs bad. Rice harvest going on. Prospects of crops continue good. Prices stationary. Common rice 17 seers per rupee.
12	Rajshahye „ 21, '89	Nil	Weather—cool and bracing. Prospects of *amun* crop generally good, and harvesting is going on. Cold-weather crops thriving well. Prospects of Ganja at Nowgong good. Rice sells at 15 seers 7 chittacks per rupee.
13	Rungpur „ 21, '89	Nil	Weather—seasonable. Harvesting of *amun* still going on. Prospects of tobacco, mustard, and other *rubbi* crops good. Prices falling.
14	Bogra „ 21, '89	Nil	Weather—seasonable. Harvesting of *amun* rice is going on, with an average outturn of 17 annas. Sugarcane is doing very well, and is being cut in some places. *Rubbi* crops are growing well, particularly mustard, which has been sown more extensively than usual. Price of common rice varies from 18 to 21 seers a rupee.
15	Pubna „ 21, '89	Nil	Weather—seasonable. *Amun* paddy is still being harvested; estimated outturn 13 annas. Sugarcane is only a half crop. Cold-weather crops are doing better. Re-sowing of barley, wheat, and pulse going on in some places.
16	Darjeeling „ 21, '89	Nil	Weather—clear and cold. The crops both in hills and Terai are doing well. Prospects generally good.
17	Julpigoree „ 21, '89	Nil	Weather—fair and cold. Cutting of *haimanti* paddy continues with good outturn. Tobacco and other standing *rubbi* crops doing well. Ordinary rice 15 seers per rupee.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.—*concluded.*			
	Eastern Districts.		
DACCA DIVN. 18	Dacca Dec. 21, '89	Nil	Weather—fine and cool. *Amun* and *roachia* paddy nearly harvested. Sowing of *rubbi* crops still continues. Prospects of *amun* appear to be generally good. In Naraingunge the outturn is reported to be unfavourable. Fodder is available. Prices of food-grains falling.
DACCA DIVN. 19	Furreedpur „ 21, '89	Nil	Weather—seasonable. Fogs in the morning for the last two days. *Amun* rice is being harvested. Prospects of winter crops, except *kalai*, fair. Produce of date-juice fair.
DACCA DIVN. 20	Backergunge „ 21, '89	Nil	Weather—cool and fair. Prospects of crops good. Harvesting of *amun* still continues.
DACCA DIVN. 21	Mymensingh „ 21, '89	Nil	Weather—seasonable, mornings foggy. Harvesting of *amun* paddy still progressing. *Rubbi* crops promising. Price of coarse rice 13 seers 5¼ chittacks per rupee.
CHITTAGONG DIVN. 22	Chittagong „ 21, '89	Nil	Weather—seasonable. *Amun* is still being harvested. Prices of food-grains stationary.
CHITTAGONG DIVN. 23	Noakholly „ 21, '89	Nil	Weather—seasonable. Harvesting of *amun* going on. *Rubbi* crops doing well. Rice is being sold at 18 seers per rupee at Fenny.
CHITTAGONG DIVN. 24	Tipperah „ 21, '89	Nil	Weather—seasonable. *Amun* paddy is being cut. Prospects of the spring crops good.
CHITTAGONG DIVN. 25	Chittagong Hill Tracts. „ 20, '89	Nil	Weather—cold with dense fogs throughout the week. Gathering of late plough-paddy continues. Mustard, tobacco, and chillies progressing.
	Hill Tipperah „ 21, '89	Nil	Weather—seasonably cold. *Amun* paddy, cotton and oil-seeds are still being gathered. Prospects of chillies, tobacco, and mustard fair
BEHAR.			
PATNA DIVN. 26	Patna „ 21, '89	Nil	Weather cold. Harvesting of paddy is going on. *Rubbi* crops are flourishing A shower of rain will be of great benefit to the *rubbi* crops. Prospects of poppy favourable. There has been a slight rise in the prices of food-grains in the Barh subdivision. Elsewhere prices are stationary.
PATNA DIVN. 27	Gya „ 21, '89	Nil	Weather—cold. Paddy is being harvested. *Rubbi* crops promising. Prices of food-grains falling. Food-stocks sufficient.
PATNA DIVN. 28	Shahabad „ 21, '89	Nil	Weather—cold and seasonable, but a few clouds appeared towards the end of the week, which have now disappeared. *Rubbi* and poppy crops promise well. Winter rice is still being harvested. Prices falling.
PATNA DIVN. 29	Durbhunga „ 21, '89	Nil	Weather—clear and cold. Harvesting of rice nearly completed. *Rubbi* crops doing well. Poppy reported to be healthy and promising. Prices steady.
PATNA DIVN. 30	Mozufferpur „ 21, '89	Nil	Weather—cold and clear. Harvesting of winter rice in progress; average district outturn about 13 annas. Prospects of *rubbi* crops continue favourable. Poppy plants doing well.
PATNA DIVN. 31	Sarun „ 21, '89	Nil	Weather—seasonable. Prospects of *rubbi* crops very favourable. A shower of rain, however, would be greatly beneficial. Poppy healthy and promising.
PATNA DIVN. 32	Chumparun ...	...	Report not received.
BHAGULPORE DIVN. 33	Monghyr „ 21, '89	Nil	Weather—cool and seasonable. Harvesting of winter rice continues. *Rubbi* crops doing well, but rain is wanted. Poppy promising.
BHAGULPORE DIVN. 34	Bhagulpur „ 21, '89	Nil	Weather—settled, clear and cool. Paddy harvest far advanced. *Kurthi* also is being harvested and is a full crop. *Rubbi* doing well, but would now be better for rain. Rice slightly stiffening in price owing to exports from the district. Common rice now sells at 15 seers 2 chittacks per rupee at Sudder.
BHAGULPORE DIVN. 35	Purneah „ 21, '89	Nil	Weather—cold and dry. Harvesting of *aghani* crop still going on; outturn not less than 14 annas. *Rubbi* crops doing well. Tobacco sowings finished.
BHAGULPORE DIVN. 36	Maldah „ 21, '89	Nil	Weather—seasonable. Winter rice is being reaped. State of *rubbi* crops and mulberry good. Common rice is selling at an average of 16¼ seers a rupee.
BHAGULPORE DIVN. 37	Sonthal Perghs. „ 21, '89	Nil	Weather—cool and dry; cloudy for a day. Rice harvest proceeding; outturn good. *Rubbi* prospects favourable, except in Jamtara.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
Orissa Divn.	38	Cuttack Dec. 21, '89	Nil	Weather—seasonable. Reaping of *laghu sarad* continues, and that of *guru sarad* has commenced. *Rubbi* crops generally in flower.
	39	Pooree „ 20, '89	Nil	Weather—seasonable. Winter paddy (*sarad*) is being harvested. Land is being plought for *dalua* crop. *Moong* is being sown. Price of common rice varies from 26 seers to 18 seers 6 chittacks per rupee in the Sudder subdivision, and from 27 seers to 22 seers per rupee in the Kanoorda subdivision.
	40	Balasore „ 21, '89	Nil	Weather—seasonable. The outturn of *sarad* rice is estimated as follows :— As. Sudder subdivision ... ... 9 Bhudruck ... ... 14 The promise of the *rubbi* crop is generally 11 to 12 annas throughout the district.
CHOTA NAGPORE. *South-West Frontier Agency.*				
Chota Nagpore Divn.	41	Hazaribagh Dec. 21, '89	Nil	Weather—seasonable. Crops excellent, except in thana Huntergunge, where the outturn of paddy is reported to be 12 annas. *Rubbi* crops good. Poppy promising.
	42	Lohardugga „ 21, '89	Nil	Weather—seasonable. Harvesting of rice not yet altogether finished. Prospects of *rubbi* good. Sugarcane is being gathered in the Palamow subdivision.
	43	Singbhoom „ 21, '89	Nil	Weather—seasonable. Paddy is being harvested with 16 annas outturn. *Rubbi* crops doing well. Sugarcane reported everywhere to be in good condition, and a full yield is expected.
	44	Manbhoom „ 21, '89	Nil	Weather—seasonable. All *rubbi* crops doing well. Price of rice stationary.

Published for general information.

CALCUTTA ; REVENUE DEPT.,
The 24th December, 1889.

P. NOLAN,
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the during the month of September, 1889.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny bags.†	Linseed.	Mustard seed.				Drained.	Undrained.	Unmanufac.
	Rice.	Paddy.	Total (in rice).														
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan	95,268	37,943	1,18,922	1,070	7,249	.....	1,27,241	532	14,980	6,609	45	32	.....	56	.....	.....	
Beerbhoom	40,950	1,536	41,910	.....	... ...	.....	41,910	.....	5,880	19	.....	.....	.....	147	.....	.....	
Midnapore	84,042	14,957	91,399	... ...	117	.....	93,507	672	475	1,218	... ...	... ...	8	215	39	647	
Hooghly	60,558	27,671	77,852	5,657	8,246	51	91,806	21,253	312,882	17,412	5,271	.....	131	25	156	25,340	7,4
24-Pergunnahs ...	69,232	12,791	77,226	200	350	.....	77,776	98,626	138,847	167	250	.....	1,635	.....	4,703	10,862	1,6
Nuddea	5,209	338	5,420	8,374	37,219	1,161	52,174	1,16,757	2,308	10,315	1,401	.....	.....	289	111	498	
Khulna	8,417	8,300	16,695	.....	175	.....	13,780	1,12,139	.....	.....	.....	.....	.....	.....	206	6,750	
Jessore	2,916	.....	2,916	.....	3,666	.....	6,522	81,717	280	948	200	.....	27	.....	212	9,455	1,4
Moorshedabad ...	929	.....	929	9,676	9,238	79	19,932	3,325	2,030	5,141	1,372	.....	6	1,087	2	230	
Dinagepore	36,972	.....	36,972	.....	200	.....	37,172	13,529	49,665	.....	.....	.....	.....	.....	.....	.....	
Rajshahye	3,180	.....	3,180	1,243	9,590	91	13,854	75,781	.....	9,080	138	.....	.....	728	.....	.....	
Rungpore	71	.....	71	44	2	.....	117	1,14,743	8,045	... ..	235	.....	27	.....	.....	.....	26,
Bogra	11,332	.....	11,332	.....	.....	.....	11,332	4,995	.....	.....	.....	.....	.....	.....	.....	.....	
Pubna	859	.....	859	1,297	3,098	.....	5,254	3,73,776	631,820	1,343	29,504	.....	.....	.....	.....	.....	
Darjeeling	.....	.....	.....	.....	.....	.....	.....	282	5,355	.....	.....	25,880	.....	.....	.....	.....	
Julpigoree	.....	.....	.....	... ...	... ...	.....	.....	31,828	40,075	... ...	241	15,966	.....	... ...	.....	.....	
Dacca	775	.....	775	290	480	.....	1,455	5,79,252	.....	1,159	8,176	... ...	1,47	.....	.....	.....	
Furreedpore ...	750	175	840	.....	1,407	.....	2,247	8,76,735	140	... ...	6,417	194	.....	9	.....	150	
Backergunge ...	1,21,584	225	1,21,725	.....	.....	.....	1,21,725	6,537	.....	300	2,100	.....	2	.....	.....	.....	
Mymensingh ...	1,006	.....	1,006	.....	749	.....	1,755	21,410	.....	.....	3,344	.....	.....	.....	.....	.....	
Tipperah ...	7,725	.....	7,725	.....	.....	.....	7,725	4,030	.....	... ..	.....	... ...	.....	.....	.....	.....	
Chittagong ...	350	.....	350	.....	.....	.....	350	3,369	.....	.....	.....	2,285	849	.....	.....	.....	
Noakholly ...	37,619	.....	37,619	.....	.....	.....	37,619	3,367	.....	.....	650	.....	806	.....	.....	.....	
Total of Bengal ...	5,89,664	1,03,936	6,54,674	27,761	81,526	1,382	7,65,293	25,47,735	1,213,369	53,711	59,482	44,366	4,534	2,556	5,428	53,952	38,8
BEHAR.																	
Patna	.....	.....	.....	8,178	8,636	2,292	19,106	72	1,435	81,254	12,992	.....	29	.....	522	2,045	
Gya	1	.....	1	502	.....	.....	503	... ..	945	3,121	.....	.....	.....	.....	.....	6	
Shahabad	.....	.....	.....	10,218	7,440	196	17,854	... ..	2,240	10,996	2 2	.....	.....	.....	.....	1,783	
Mozufferpore ...	8	.....	8	210	1,575	473	2,266	.....	35	7,844	5,040	2	1	.....	.....	.....	
Durbhunga ...	.....	.....	.....	1,103	3,562	30	4,697	.....	195	49,764	17,285	98	.....	.....	370	567	
Sarun	438	.....	438	4,746	3,298	4,746	13,228	.....	350	21,994	1,7 0	.....	13	.....	466	.....	
Champarun ...	.....	.....	.....	.....	.....	155	155	1	35	11,581	13,926	2	.....	.....	.....	688	
Monghyr	811	.....	811	4,559	3,225	608	11,183	.....	1,435	7,144	6,082	.....	.....	.....	.....	.....	
Bhagulpore ...	.....	.....	.....	19,120	12,055	2,372	35,547	20	100	5,493	11,651	.....	.....	3	.....	.....	
Purneah	.....	... ..	.....	3,398	2,884	.....	6,282	5,232	.....	3,795	14,110	.....	.....	.....	.....	90	1,3
Maldah	.....	... ..	.....	6,229	3,480	453	10,162	11,909	... ...	1,909	1,618	.....	.....	... ..	.....	.....	
Soothal Pergunnahs.	.....	.....	.....	5,735	2,794	920	9,449	.....	1,085	3,790	4,155	.....	.....	295	.....	.....	
Total of Behar ...	1,258	.....	1,258	65,780	50,949	12,245	1,28,232	16,325	7,765	2,97,885	80,691	102	43	298	1,858	5,179	1,3
ORISSA.																	
Cuttack	2,380	.....	2,380	.....	.....	.....	2,380	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Balasore	20,742	2,333	22,200	.....	1,831	.....	24,031	61	1,775	... ..	112	.....	.....	41	... ..	... ..	
Total of Orissa ...	23,122	2,333	24,580	.....	1,831	.....	26,411	61	1,775	.....	112	.....	.....	41	.....	.....	
CHOTA NAGPORE.																	
Hazaribagh ...	.....	.....	.....	.....	.....	.....	.....	.....	1,750	.....	.....	424	.....	.....	.....	.....	
Manbhoom ...	298	.....	298	.....	.....	.....	298	.....	... ..	.....	.....	.....	.....	.....	.....	.....	
Total of Chota Nagpore.	298	.....	298	.....	.....	.....	298	.....	1,750	.....	.....	423	.....	.....	.....	.....	
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	6,14,342	1,06,269	6,80,760	91,541	1,34,306	13,627	9,20,234	25,64,121	1,224,659	2,61,596	1,46,285	44,891	4,575	2,895	6,781	59,131	40,0
OTHER PROVINCES.																	
Assam	7,486	.....	7,486	.....	.....	.....	7,486	922	... ..	142	60,072	1,52,278	142	160	.....	.....	
North-Western Provinces and Oudh.	359	.....	359	79,349	69,085	2,589	1,51,673	.....	525	73,616	7,827	1,363	881	.....	1,087	1,369	
Punjab	.....	.....	.....	43,404	27,405	2,283	68,093	.....	.....	.....	.....	799	.....	.....	.....	.....	
Central Provinces ...	.....	... ..	.....	3,448	.....	.....	3,448	.....	.....	.....	.....	.....	.....	4	.....	.....	
Rajputana States ...	.....	.....	.....	.....	25	2	27	.....	35	.....	.....	.....	.....	.....	.....	.....	
Bombay	.....	.....	.....	.....	.....	.....	... ..	.....	.....	.....	.....	.....	4,305	2	.....	.....	
Madras	4	.....	4	.....	5,834	.....	5,838	.....	.....	.....	.....	3	2,249	.....	2,039	.....	15
Burmah	.....	996	623	.....	706	.....	1,389	.....	400	.....	.....	1	457	.....	.....	.....	
Other places ...	4	.....	4	.....	.....	8	12	.....	26,650	.....	... ..	.....	.....	.....	17,693	52,754	
Grand Total { 1889 of Imports in Sept. { 1888	6,22,195	1,07,265	6,89,236	2,17,742	2,32,422	18,509	11,57,909	25 65,043	1,252,269	3,35,354	2,14,184	1,99,335	12,109	3,061	27,600	1,13,254	40,7
	8,94,802	1,17,550	9,68,146	6,12,855	3,47,628	36,978	19,65,607	26,03,233	1,319,172	7,16,885	1,93,059	1,78,107	38,278	3,728	37,039	93,048	46,7

* One maund of paddy is equivalent to 25 seers of rice. † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of September, 1889, *was as follows :—*

EXPORTED FROM CALCUTTA—																	
To Indian ports, viz.—																	
Bombay	26,316	60	26,373	3,224	633	.....	30,250	.....	1,679,550	.....	11,0	1,434	.....	... ..	12,820	.....	
Madras	22	.....	22	219	21,961	.....	22,202	.....	183,700	.....	.....	.....	.....	340	72	.....	
Other ports in Madras ...	10,725	998	11,340	105	2,710	.....	14,164	6,126	194,000	.....	299	.....	.....	12	48	...	
Burmah	3,464	.....	3,464	958	8,743	41	12,806	41	342,150	.....	.....	42	201	8	378	2,100	25,0
Other Indian ports	.....	... ..	.....	102	2,318	.....	2,420	.....	52,306	.....	.....	2	.....	... ..	973	71	
Sind	.....	.....	.....	.....	.....	.....	.....	.....	198,300	.....	.....	.....	.....	.....	... ..	.....	
Total of Inter-portal trade ...	40,547	1,058	41,203	4,608	35,985	41	81,842	6,167	1,865,006	.....	11,387	1,478	201	360	14,298	2,237	25,1
To Foreign ports— United Kingdom	31,706	.....	31,706	80,213	10,549	.....	1,22,468	9,58,938	3,017,600	6,37,591	2,01,108	1,87,786	2,584	285	3,284	.....	
Other Foreign ports	4,89,726	3,069	4,91,644	1,828	34,857	26,102	5,54,431	1,86,542	7,503,675	45,822	59	10,567	3,090	1,600	165	.....	
Total of Foreign trade	5,21,432	3,069	5,24,350	82,041	45,406	26,102	6,76,899	11,43,480	10,521,275	6,83,413	2,01,167	1,98,353	5,674	1,885	3,449	.....	
Grand Total { 1889	5,61,979	4,127	5,65,553	86,649	81,391	26,143	7,58,741	11,49,647	12,386,281	6,83,413	2,12,554	1,99,831	5,875	2,245	17,747	2,237	

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of September, 1889.

IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTES.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.				Drained.	Undrained.	Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
country boats ...	4,08,403	51,433	69,932	93,636	10,733	5,25,696	416,039	1,01,104	1,09,836	.....	2,493	298	6,101	48,226	9,489	1,453
river steamers ...	24,584	569	172	4,076	.....	4,22,609	.....	4,958	57,268	1,48,977	642	432	46	1	19	3
rail { East Indian Railway.	1,22,600	50,252	1,47,596	1,12,705	7,759	39,255	34,370	2,27,343	37,439	2,719	395	1,220	679	6,458	509	399
rail { Eastern Bengal State Railway.	16,601	.....	42	13,890	.....	15,04,630	736,610	1,949	9,529	45,350	650	1,080	140	4,884	28,635	.....
road	29,032	1,682	.....	.....	.....	68,673	36,700	.....	.....	.....	69	...	902	931	1,970	652
sea	20,072	3,329	.....	8,115	8	3,430	28,550	.....	.....	112	2,289	7,860	41	19,732	52,754	382	248
Grand total of imports in September. { 1889 ...	6,22,195	1,07,265	2,17,742	2,32,422	18,500	25,61,043	1,252,269	3,35,354	2,14,184	1,99,335	12,109	3,061	27,609	1,13,254	40,804	2,755
	8,94,802	1,17,350	6,12,855	3,47,624	36,978	26,03,231	1,319,172	7,16,895	1,93,069	1,78,107	38,278	3,728	37,039	99,048	26,152	30,018

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of September, 1889.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.						
Balwan ...	3,69,983	3,54,640	620	439	34,113	69,695
Burbhoom ...	5,63,811	...	1,805	572	16,185	32,410
Chinapore ...	2,39,729	100	3,639	.....	43,540	9,305
Hooghly ...	97,214	2,975	462	91	1,977	48,221
Jungle Mehals ...	1,11,470	5,106	514	.....	10,517	3,125
Kishnaghee ...	9,61,050	.....	2,119	.....	27,308	16,570
Moorshedabad ...	1,88,087	.....	89	.....	6,950	... ...
Nuddea ...	1,96,362	.....	541	.....	24,339	1,070
Rajeshedabad ...	1,88,692	330	50	2	9,050	5,720
Rungpore ...	1,75,359	.....	180	.....	4,285	3,955
Sarahyc ...	6,40,984	.....	38	.....	11,321	2,105
Singbhoom ...	4,67,775	.....	406	.....	14,966	1,995
Sylhet ...	2,98,935	.....	210	.....	4,971	5,145
Tipperah ...	1,75,173	.....	674	.....	29,934	2,670
Tirhoot ...	1,32,174	.....	56	.....	5,152	.....
Toorsoree ...	1,67,013	.....	120	.....	6,393	.....
Town ...	10,16,853	.....	3,042	322	29,988	3,520
Treedpore ...	5,91,709	.....	495	.....	35,969	2,275
Tuckergunge ...	4,11,722	.....	601	.....	29,995	.....
Tumensingh ...	1,40,301	.....	.....	.....	12,225	525
Tumerah ...	.....	.....	.....	.....	10,825	.....
Chittagong ...	1,10,275	.....	222	.....	.....	9,096
Cachholly ...	.....	500	.....	.....	13,225	.....
Total of Bengal...	71,85,271	3,63,651	15,883	1,426	3,83,249	224,402
BEHAR.						
Arrah ...	1,94,355	2,200	189	472	23,478	115,315
Behar ...	1,09,305	.....	115	856	19,246	315
Chuprahabad ...	1,23,659	330	1	710	21,032	19,795
Dinapore ...	53,991	.....	.....	54	9,022	7,770
Durbhunga ...	1,42,506	110	1	556	32,878	20,615
Patna ...	1,51,515	1,210	12	86	12,933	12,530
Sarun ...	5,41,863	110	1	85	14,144	21,105
Sasseyr ...	1,04,643	2,200	17	239	7,887	18,730
Shahpore ...	3,71,637	.....	77	145	17,520	17,695
Sumeah ...	1,43,840	.....	133	498	7,585	2,050
Tirhoot ...	.....	.....	.....	.....	12,531	100
Mahal Pergunnahs	4,88,313	.....	114	541	.....	14,105
Total of Behar ...	24,25,657	6,160	660	4,012	1,84,756	245,125
ORISSA.						
Cuttack ...	43,400	.....	1,799	.....	325	21,100
Pooree ...	32,765	.....	3,074	.....	3,926	24,000
Total of Orissa ...	76,165	.....	4,873	.....	4,251	45,100

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
CHOTA NAGPORE.	Rs.	Rs.	Mds.	Mds.	Mds	No.
Hazaribagh	73,080	1,320	29	368	9,923	1,610
Manbhoom	1,59,264	.....	87	880	9,324	1,085
Total of Chota Nagpore ...	2,32,344	1,320	116	1,248	19,247	2,695
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	99,19,417	3,71,131	21,532	6,716	5,91,503	517,222
OTHER PROVINCES.						
Assam	4,43,072	.....	1,301	1,217	47,495	560
North-Western Provinces and Oudh	17,48,840	18,920	2,443	657	13,838	177,625
Punjab	12,95,847	19,589	434	.....	2	142,310
Central Provinces	27,342	.....	135	.....	.....	630
Rajputana States	32,445	110	136	2	.....	3,535
Berar	252	.....	.....	.....	.....	.....
Nizam's Territory	189	.....	.....	.....	.....	.....
Bombay	630	.....	.....	.....	.....	1,079,550
Madras	73,619	.....	875	521	.....	382,760
Quetta	.....	.....	.....	.....	.....	455
Burmah...	2,65,229	57	287	1,754	.....	242,150
Sind	189	.....	.....	.....	.....	109,735
Other places	8,699	2,294	22	2,836	54	10,521,275
Grand Total of Exports in Sept. { 1889 ...	1,38,11,670	4,12,092	27,159	13,703	6,52,892	13,177,787
1888 ...	1,55,66,190	35,642	23,968	19,771	8,29,827	14,167,536

The Sea-borne Trade of Calcutta in these Staples during the month of September, 1889 *was as follows:—*

IMPORTED INTO CALCUTTA—	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
From Foreign Ports—						
United Kingdom	1,09,19,901	.....	12,346	.....	6,12,705	.....
Other Foreign ports ...	66,939	.....	292	.....	1,59,934	26,650
Total of Foreign Trade ...	1,09,86,840	.....	12,638	.....	7,72,899	26,650
From Indian Ports—						
Bombay	5,756	3,15,209	.....	7,351	69,120	.....
Madras	.....	12,238	.....	.....	18	.....
Other ports in Madras ...	.....	700	.....	.....	128	.....
Burmah	14,840	940	.....	53	.....	400
Other Indian ports ...	600	1,300	.....	5	.....	1,500
Total of Interportal Trade ...	21,196	3,30,387	.....	7,409	69,266	1,900
Grand Total of Imports in Sept. { 1889...	1,10,08,036	3,30,387	12,638	7,409	8,41,665	28,550
1888...	1,28,95,612	2,69,575	8,317	12,696	63,086	2,800

* As per tariff declaration value.

following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of September, 1889.

SPECIFICATION OF ROUTES.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Country boats	2,07,412	2,875	4,067	.....	2,94,662	77,588
River steamers	11,91,519	.....	2,455	1,539	34,170	18,703
Rail ... { East Indian Railway	66,70,062	4,01,060	6,811	6,982	2,70,476	664,300
Rail ... { Eastern Bengal State Railway ...	50,78,705	.....	7,443	.....	40,416	27,440
Road	1,36,875	5,866	684	71	3,838	3,075
Sea	5,32,097	2,351	6,109	5,111	950	12,386,371
Grand Total of Exports in September { 1889 ...	1,38,11,670	4,12,092	27,159	13,703	6,52,892	13,177,787
1888 ...	1,55,66,190	35,642	23,968	19,771	8,29,827	14,167,536

STATISTICAL DEPARTMENT,
The 21st December, 1889.

P. NOLAN,
Secretary to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan	13 4	14 8	11 14	No sale.			10 0	11 10	13 8	12 5	14 10	19 2	...	...	...
2	Bankoora ...	13 12	13 12	12 0	14 0	14 0	14 0	15 0	15 0	15 0	18 0	19 0	21 0	...	...	...
3	Beerbhoom ...	15 0	15 0	11 4	...	...	...	13 0	12 0	12 0	15 0	15 0	16 8	...	...	...
4	Midnapore ...	12 8	13 8	13 5	...	...	...	11 0	12 0	13 0	16 0	14 0	16 8	...	...	...
5	Hooghly	13 0	13 0	13 0	...	...	...	8 0	8 0	10 0	12 0	12 0	13 0	...	...	...
	Howrah	...	...	...	...	...	...	9 8	9 8	11 8	12 8	13 0	17 12	...	...	...
	Central Districts.															
	Calcutta	13 3	13 4	12 7	16 11	17 7	18 8	8 3	8 1	10 10	13 5	13 0	15 8	14 12	16 0	...
6	24-Pergunnahs	13 5	14 0	12 0	16 0	16 0	14 0	7 8	7 8	8 0	15 0	15 0	17 0	...	...	...
7	Nuddea ...	15 0	14 14	14 0	17 12	...	20 0	10 10½	10 10½	12 5	12 6	12 6	18 5	...	...	...
8	Khoolna ...	...		...		...		11 8	11 4	13 0	14 0	12 8	16 0	...	...	...
9	Jessore ...	13 5	13 5	11 0	...	...		9 0	9 0	11 0	16 0*	13 0	17 0	...	...	...
10	Moorshedabad	16 0	16 0	13 8	...	...	...	10 0	10 0	13 0	14 0	12 0	19 0	...	...	...
11	Dinagepore ...	17 8	15 12	12 0	14 8	16 0	12 0	15 8	12 0	15 8	19 0	16 0	19 5	...	...	...
12	Rajshahye ...	15 0	15 0	15 12	19 8	20 10	26 4	10 8	9 12	12 0	13 8	12 0	16 2	...	...	...
13	Rungpore ...	13 5	13 5	14 3	...	...	...	8 8	9 7	12 4	12 12	10 5	16 0	...	...	...
14	Bogra ...	15 0	13 8	12 0	...	...	...	12 0	12 0	13 8	18 0	New. 18 0 Old. 13 8	19 8	...	...	...
15	Pubna ...	15 8	16 8	15 0	...	...	...	7 6	7 2	8 0	14 4	14 4	17 4	...	...	...
16	Darjeeling ...	11 0	11 0	10 0	10 0	10 0	10 0	5 0	5 0	5 0	12 0	12 0	12 0	...	...	...
17	Julpigoree ...	12 0	12 0	10 0	16 0	16 0	16 0	8 0	8 0	11 0	17 0	15 0	16 0	...	...	...
	Eastern Districts.															
18	Dacca ...	13 0	13 0	15 0	16 0	20 0	20 0	12 0	9 12	14 0	14 0	11 0	16 0	...	...	...
19	Furreedpore ...	13 0	13 0	13 0	12 0	12 0	32 0	10 0	8 0	10 0	15 0	10 0	13 0	...	...	...
20	Backergunge ...	...	...	...	...	...	...	New. 15 4	10 0	12 5	New. 16 2	15 0	14 7	...	...	...
21	Mymensingh ...	10 0	10 0	9 0	...	...	...	8 0	8 14	12 0	13 14	12 4	20 0	...	...	...

* The falling off in price is due to the appearance of new rice in the market.

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Ranegunge 10½ seers, and Cutwa 10 seers 6 chittacks.

B At Rampore Hât retail price of salt 9½ seers per rupee.

C In subdivisions retail prices of salt per rupee are :—Ghattal 10¾ seers, Tumlook 8 seers, and Contai 9 seers.

D In subdivisions retail prices of salt per rupee are :—Serampore 10 seers and Jehanabad 10 seers.

E In subdivisions retail prices of salt per rupee are :—Baraset 9 seers, Basirhat 9 seers, Diamond Harbour (at Magrahat) 16 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.

F In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 10½ seers, Chooadanga 9 seers, and Ranaghat 9 seers 2 chittacks.

G In subdivisions retail prices of salt per rupee are :—Satkhira 9 seers and Bagirhat 8 seers.

H In subdivisions retail prices of salt per rupee are :—Jhenida 9 seers, Magura 9¾ seers, Narail 9¾ seers, and Bongong 10 seers.

SEERS OF 80 TOLAHS.

Bajra or Cumbu. (*Pennisetum typhoideum.*)			Marua or Ragi. (*Eleusine Corocana.*)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
13 2	12 9	12 4	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	13 0	13 0	14 0
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...
... ...	... ...	... ...	... ...	... ...	... ...

Kangni or Kakun, Italian millet. (*Setaria italica.*)			Gram, Chana, Chhola, Kadala or Sunaga. (*Cicer arietinum*)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S.
...	...	...	17 0	18 0	16
...	...	...	15 0	15 0	14
...	...	...	16 0	16 0	13
...	...	...	15 0 16 4	14 8 15 8	14
...	...	...	15 0	15 0	13
...	...	...	16 8	17 0	15
15 3	14 8	17 12	15 15	15 12	15
5 4	6 0	13 0	16 0	16 0	16
...	....	...	18 14	17 12	15
...	...	...	12 0	13 5	16
...	...	...	16 0	16 0	16
...	...	...	20 0	20 0	16
...	...	...	14 8	14 8	10
...	...	...	18 0	18 0	13
...	...	...	13 5	13 5	16
...	...	...	15 0	15 0	
...	...	...	15 4	15 0	1
...	...	...	10 0	10 0	1
...	...	...	13 0	13 0	1
...	...	...	13 0	13 0	
...	...	...	12 0	12 0	
...	...	...	15 0	16 0	
...	...	...	13 0	14 8	

Head-quarter Station Bazars of the Districts of Bengal on the 15th December 1889.

INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR, CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
															BENGAL.
															Western Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
No sale.			18 0	19 0	17 13	100 0	100 0	107 0	A 10 5	10 5	10 7	3 12 0	3 12 0	3 11 0	Burdwan.
26 0	27 0	22 0	15 8	15 0	19 0	280 0	280 0	320 0	10 0	10 0	10 0	3 15 0	3 15 0	3 14 0	Bankoora.
...	...	...	10 8	10 8	10 0	160 0	160 0	160 0	B 10 8	10 8	10 0	3 10 0	3 10 0	3 13 0	Beerbhoom.
...	...	...	13 0	13 0	14 0	160 0	160 0	120 0	C 10 3	10 3	10 8	3 15 0	3 14 0	3 14 0	Midnapore.
...	...	...	11 0	11 0	13 0	120 0	120 0	120 0	D 9 0	9 0	9 0	3 11 6	3 11 6	4 6 0	Hooghly.
...	...	...	13 0	13 0	12 8	100 0	100 0	100 0	9 2	9 2	10 8	3 14 0	3 14 0	3 10 0	Howrah.
															Central Districts.
18 5	18 9	16 0	16 10	16 12	16 4	100 0	100 0	95 0	10 1	10 0	10 10	3 11 1	3 11 8	3 9 0	Calcutta.
...	...	...	17 0	18 0	20 0	100 0	100 0	100 0	E 10 0	10 0	10 4	3 10 0	3 9 9	3 9 0	24-Pergunnahs.
...	...	...	16 0	13 5½	17 12	...	...	...	F 9 2	10 0	9 2	3 14 0	3 14 0	3 14 0	Nuddea.
...	...	...	...	...	...	160 0	160 0	160 0	G 8 0	8 8	10 0	4 4 0	4 4 0	4 0 0	Khoolna.
...	...	...	16 0	16 0	16 0	160 0	160 0	100 0	H 9 2	9 2	10 0	4 0 0	4 0 0	4 0 0	Jessore.
...	...	...	18 0	18 0	18 0	220 0	220 0	200 0	I 11 0	11 0	10 10	3 8 0	3 8 0	3 11 0	Moorshedabad.
...	...	...	...	...	9 8	160 0	160 0	160 0	9 8	9 8	10 0	4 0 0	4 0 0	3 14 0	Dinagepore.
...	...	...	17 0	16 13	17 12	240 0	240 0	240 0	J 9 0	8 10	9 12	4 5 4	4 5 4	4 0 0	Rajshahye.
...	...	...	10 5	14 8	7 5	100 0	100 0	120 0	K 8 14	8 14	9 6	4 8 0	4 8 0	4 4 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	8 13	9 0	8 4	4 2 8	4 2 8	4 2 8	Bogra.
...	...	...	17 4	17 4	22 8	200 0	200 0	200 0	L 8 11½	7 6	10 0	4 1 6	4 4 0	4 0 0	Pubna.
20 0	20 0	20 0	8 0	8 0	8 0	120 0	120 0	120 0	M 8 0	6 8	8 0	5 0 0	5 10 0	5 0 0	Darjeeling.
...	...	...	12 0	12 0	11 0	128 0	128 0	128 0	N 9 0	9 0	9 0	4 2 0	4 2 0	4 0 0	Julpigoree.
															Eastern Districts.
...	...	...	14 0	14 0	16 0	160 0	160 0	120 0	O 9 4	9 4	9 2	4 4 0	4 4 0	4 8 0	Dacca.
15 0	18 0	...	10 0	10 0	...	120 0	120 0	120 0	9 0	9 0	10 0	4 4 0	4 4 0	4 0 0	Furreedpore
...	...	...	...	...	...	120 0	120 0	120 0	P 10 0	10 0	10 0	4 0 0	4 0 0	4 0 0	Backergunge.
...	...	...	14 0	10 0	13 0	...	...	...	Q 8 8	8 8	9 10	4 10 0	4 8 0	4 2 0	Mymensingh.

I In subdivisions retail prices of salt per rupee are :—Lalbagh 10 seers, Kandi 10¼ and 10½ seers, and Jungipore 10 seers.
J In subdivisions retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 8 seers.
K In subdivisions retail prices of salt per rupee are :—Nilphamari 9 seers, Kurigram 9 seers, and Gaibanda 8 seers.
L At Serajgunge retail price of salt 9½ seers per rupee.
M At Siliguri retail and wholesale prices of salt are 8 seers per rupee and Rs. 4-4 per maund respectively.
N At Fallacutta in Alipore subdivision retail price of salt 8 seers per rupee.
O In subdivisions retail prices of salt per rupee are :—Maniekgunge 8 seers, Moonshigunge 8⅞ seers, and Naraingunge 9¾ seers.
P In subdivisions retail prices of salt per rupee are :—Patuakhali 9 seers, Perozepore 9 seers, and Bhola 8 seers.
Q In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Jamalpore 10 seers, Sherepore 8 seers, and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																		
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	***Eastern Districts*—concluded.**	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	11 0	10 0	11 0	...	...	...	8 0	8 0	13 0	16 5	15 0	18 0	...	...	...
23	Noakholly ...	...	...	...	...	...	...	11 0	11 0	18 0	12 0	13 0	20 0	...	...	...
24	Tipperah ...	12 5	11 7	12 8	...	...	...	10 0	8 14	16 0	17 12½	13 14½	20 0	...	...	...
25	Chittagong Hill Tracts.	...	...	...	...	...	...	10 0	9 6	11 6⅔	13 5	10 0	13 5	...	...	...
	Hill Tipperah ...	6 0	6 0	6 0	...	...	...	8 0	8 0	9 0	16 0	12 0	20 0	...	...	...
	BEHAR.															
26	Patna ...	17 8 (Red.)	17 12	...	24 0	22 0	19 8	10 8	10 8	11 8	18 6	17 13	17 5	24 0	24 0	18 0
		15 4 (White.)	15 2	17 0												
27	Gya ...	17 0	17 8	13 8	20 0	19 0	15 4	10 0	10 0	9 8	18 0	18 0	15 8	...	...	...
28	Shahabad ...	16 0	16 0	14 8	21 0	20 0	18 0	9 0	10 0	9 0	16 8	14 0	15 8	22 8	23 0	18 0
29	Durbhunga ...	16 0	14 13	13 0	20 8	18 4	18 0	12 8	13 8	11 8	20 0	20 6	15 0	...	...	...
30	Mozufferpore	13 0	13 0	12 8	18 0	18 0	...	10 8	10 0	10 0	19 0	18 0	13 0	...	...	...
31	Sarun ...	15 12	15 8	15 0	21 0	21 0	18 8	8 8	8 8	8 8	14 14	14 6	13 8	...	...	...
32	Chumparun ...	12 0	12 0	14 0	20 0	13 0	22 0	9 0	9 0	9 0	19 0	20 0	15 0	...	...	...
33	Monghyr ...	17 13	20 8	15 12	15 12	21 0	13 15	12 1	12 1	12 9	18 14	18 6	16 12	...	...	...
34	Bhagulpore ...	16 6	18 15	15 12	20 3	18 15	12 10	12 10	12 0	Old. 11 6 / New. 15 2	16 6	15 2	Old. 15 2 / New. 17 10	...	...	...
35	Purneah* ...	..	21 4	14 0	...	...	...	...	19 0	14 0	...	21 0	16 0	...	...	...
36	Maldah ...	18 0	18 0	14 0	...	...	...	11 0	11 0	13 0	14 8	14 0	17 8	...	...	...
37	Sonthal Pergks.	15 0	15 0	13 0	...	...	...	12 0	12 0	12 8	17 0	16 0	19 0	...	...	...
	ORISSA.															
38	Cuttack ...	13 2	14 7	13 2	...	...	...	10 8	10 8	11 13	18 6†	18 6	21 0	...	...	...
39	Pooree ...	13 2	13 2	10 8	...	...	...	14 7	13 6	11 13	22 10	18 4	17 1	...	...	...
40	Balasore ...	15 0	15 0	12 0	13 0	13 0	13 0	12 0	12 0	12 0	17 0	17 0	22 0	...	...	...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
41	Hazaribagh ...	13 0	14 0	12 8	11 0	15 0	12 0	10 0	10 0	8 0	20 0	17 0	17 0	...	...	...
42	Lohardugga	10 8 (White.)	11 0	...	13 0	13 5	17 0	New. 20 0	Old. 13 8	14 8	New. 22 0	21 0	20 8	...	...	...
		12 0 (Red.)	11 8	11 8												
43	Singbhoom ...	10 0	10 0	10 0	20 0	20 0	20 0	16 0	16 0	16 0	20 0	20 0	20 0	...	...	...
44	Manbhoom ..	13 5	13 5	11 0	...	...	...	12 8	13 0	12 8	21 0	23 0	20 0	...	...	...

* Present return not received.
† Price of common rice at Jajpore 23 seers 10 chittacks per rupee, and at Kendrapara 26 seers per rupee.
R At Cox's Bazar retail price of salt 8 seers per rupee.
S At Fenny Hât retail price of salt 8 seers per rupee.
T In subdivisions retail prices of salt per rupee are:—Buxar 10 seers, Sasseram 10½ seers, and Bhabuah 9½ seers.
U In subdivisions retail prices of salt per rupee are:—Tajpore 11 seers and Madhubani 10 seers.
V At Sitamarhi retail price of salt 10 seers per rupee.

CALCUTTA,
The 24th December, 1889.

S OF 80 TOLAHS.

RA OR CUMBU. (*nisetum typhoideum.*)		MARUA OR RAGI. (*Eleusine Coracana.*)		
Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	26 0	25 0	23 0
...	...	...	...	...
...	...	...	...	...
...	...	28 4	28 9	22 0
...	...	...	...	...
...	...	22 0	22 0	20 0
...	...	28 0	28 0	26 0
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	33 0	35 0	24 0
...	...	40 0	50 0	31 0
...	...	...	...	...
...	...	...	...	...

Kangni or Karun. Italian millet. (*Setaria italica.*)			Gram, Ch… Chhola, K… or Sun… (*Cicer arie*		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding re-	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S.	C
...	...	...	12 0	12	
...	...	...	10 0	10	
...	...	...	13 14	13	
...	...	...	...		
...	...	...	12 0	12	
19 8	19 0	15 0	23 0	23	
15 0	15 0	14 4	20 0	19	
...	...	...	22 0	23	
...	14 13	...	27 0	23	
...	...	...	20 0	2	
14 0	14 0	15 0	21 0	2	
...	...	...	18 0		
...	...	...	22 1		
...	...	...	20 3		
...	...	...	...		
...	...	...	17 0		
...	...	...	16 0		
...	...	...	15 2		
...	...	...	15 12		
...	...	...	14 0		
...	...	...	16		
...	...	...	13 1		
...	...	...	10		
...	...	...	15		

Station Bazars of the Districts of Bengal on the 15th December 1889—(concluded).

INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR. CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
															Eastern Districts—concluded.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	...	...	..	100 0	100 0	110 0	R 9 0	9 0	9 0	4 0 0	4 0 0	3 14 0	Chittagong.
...	...	...	7 0	8 0	...	...	...	...	S 9 0	9 0	8 0	4 0 0	4 0 0	4 8 8	Noakholly.
...	...	...	8 6¼	8 0	8 0	...	...	...	8 14	8 14	8 0	4 8 0	4 8 0	4 6 0	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
...	...	...	8 0	8 0	8 0	...	...	...	8 0	8 0	8 0	4 6 0	4 6 0	4 6 0	Hill Tipperah.
															BEHAR.
24 0	23 0	21 8	22 8	22 0	22 0	130 0	130 0	130 0	9 8	9 8	10 0	3 14 0	3 14 0	3 13 0	Patna.
...	...	...	18 0	19 0	19 0	200 0	200 0	200 0	9 0	9 2	9 0	4 2 0	4 2 0	.....	Gya.
...	...	...	20 0	21 0	13 8	140 0	160 0	160 0	T 10 0	10 0	10 0	3 15 0	3 15 0	4 0 0	Shahabad.
25 0	25 4	18 4	20 0	20 0	19 12	160 0	200 0	160 0	U 10 0	11 0	11 0	4 0 0	3 12 0	3 10 0	Durbhunga.
22 0	22 0	19 8	22 0	22 0	20 0	160 0	160 0	160 0	V 10 0	10 0	10 0	4 0 0	4 0 0	3 12 0	Mozufferpore.
22 0	21 8	20 8	20 8	20 8	20 8	160 0	160 0	160 0	9 8	9 8	10 0	4 2 0	4 2 0	3 15 0	Sarun.
25 0	25 0	21 8	17 0	17 0	22 0	160 0	160 0	160 0	W 9 8	9 8	9 8	3 15 0	4 2 0	4 0 0	Chumparun.
25 4	25 4	18 9	18 14	18 14	18 5	147 0	147 0	168 0	X 10 0	9 12	9 8	3 14 6	3 14 6	4 0 0	Monghyr.
24 0	24 0	18 4	17 10	17 10	17 10	151 8	164 0	189 0	10 1	10 1	10 1	3 15 6	4 0 0	3 14 6	Bhagulpore.
...	...	...	...	17 0	16 0	...	120 0	200 0	Y ...	10 4	9 0	...	3 5 4	4 7 0	Purneah.
...	...	...	...	...	...	160 0	160 0	160 0	8 8	8 0	9 4	4 6 0	5 0 0	4 2 0	Maldah.
27 0	27 0	20 0	19 0	17 0	17 0	200 0	200 0	200 0	9 4	9 4	9 0	4 0 0	4 0 0	4 5 0	Sonthal Perghs.
															ORISSA.
...	...	...	17 1	18 6	17 1	80 0	80 0	80 0	11 0	11 0	11 0	3 12 0	3 12 0	3 12 0	Cuttack.
...	...	...	15 12	15 12	13 2	80 0	80 0	80 0	Z 11 13	11 13	11 13	3 6 0	3 6 0	3 6 0	Pooree.
...	...	...	...	...	...	140 0	160 0	140 0	Z1 9 0	9 0	9 8	4 2 0	4 2 0	3 15 0	Balasore.
															CHOTA NAGPORE.
															South-West Frontier Agency.
28 0	30 0	19 0	...	17 0	16 0	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 3 0	Hazaribagh.
35 0	40 0	17 0	14 12	15 0	19 0	140 0	140 0	140 0	8 4	8 8	8 0	4 10 0	4 8 0	4 14 0	Lohardugga.
32 0	32 0	...	12 0	12 0	15 0	200 0	200 0	260 0	7 0	7 0	7 0	5 8 0	5 8 0	5 8 0	Singbhoom.
32 0	32 0	24 0	16 0	15 0	16 0	200 0	200 0	280 0	Z2 9 2	9 0	8 0	4 4 0	4 4 0	4 3 6	Manbhoom.

W At Bettiah retail price of salt 9½ seers per rupee.
X In subdivisions retail prices of salt per rupee are :—Begusarai 9½ seers and Jamui 9 seers.
Y In subdivisions retail prices of salt per rupee are :—Kissengunge 8 seers and Arrareah (at Ranigunge) 9 seers.
Z In Khoorda subdivision retail price of salt 11 seers per rupee.
Z1 At Bhudruck retail price of salt 8 seers per rupee.
Z2 At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 12 3	2 11 11	2 15 6	2 1 11	2 0 10	1 15 10	4 10 2	4 10 9	3 8 6	2 12 0	2 13 0	2 5 8
2	Serajgunge ...	2 8 0	2 3 0	2 9 0	...	...	...	5 8 0	5 0 0	3 8 0	3 0 0	3 4 0	2 6 0
3	Dacca ...	3 0 0	3 0 0	2 10 0	2 7 0	1 15 0	1 15 0	3 4 0	4 0 0	2 12 0	2 12 0	3 9 0	2 8 0
4	Naraingunge	...	...	...	...	...	...	3 4 0	4 0 0	2 6 0	3 0 0	3 12 0	2 4 6
5	Chittagong ...	3 8 0	3 12 0	3 8 0	...	...	...	4 8 0	4 8 0	2 14 0	2 8 0	2 10 0	2 2 0
6	Patna ...	Red. 2 4 0 / White. 2 9 0	Red. 2 5 7 / White. 2 10 3	... / 2 5 0	1 9 6	1 12 6	2 0 0	3 12 0	3 12 0	3 7 0	2 0 0	2 3 6	2 4 0
7	Balasore ...	2 8 0	2 8 0	3 8 0	3 0 0	3 0 0	3 0 0	3 4 0	3 4 0	3 4 0	2 4 0	2 4 0	1 10 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 15 0	2 4 3	2 2 6
	Cuttack ...	3 0 0	2 12 0	3 0 0	...	...	...	3 0 0	3 0 0	3 4 0	2 3 0	2 3 0	1 11 0

CALCUTTA,
The 24th December, 1889.

PRICES PER MAUND

	AR OR CHOLUM. (*ghum Vulgare.*)			BAJRA OR CUMBU. (*Pennisetum typhoideum.*)		
	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
.P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
7 0	2 4 0	...	2 12 3	2 14 8	3 0 0
..	...	...	...	...	...
..	...	...	...	...	...
..	...	...	...	...	...
..	...	...	...	...	...
9 6	1 10 0	2 3 0	...	...	...
..	...	...	...	...	...
..	...	...	...	...	...
..	...	...	...	...	...
..	...	...	...	...	...

OF 40 SEERS.

Marua or Ragi. (*Eleusine Coracana.*)		Kangni or Korra Italian Millet (*Setaria italica*)	
Present return.	R.A.P.	Present return.	R. A. P.
Next preceding return.	R.A.P.	Next preceding return.	R. A. P.
Corresponding return of last year.	R.A.P.		
	1 7 0		2 6 0
	1 9 0		2 8 0
	1 1 1		2 0 0
	2 0 0		2 0 0

in the undermentioned Marts of Bengal on the 15*th December* 1889.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (*Cicer Arietinum.*)			INDIAN-CORN OR MAIZE. (*Zea Maya.*)			ARHAR OR THUR, CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 4 6	2 4 6	2 6 6	1 14 7	1 14 3	2 3 8	2 2 7	2 2 6	2 3 8	0 5 6	0 5 6	0 6 0	3 11 1	3 11 2	3 9 0	Calcutta.
3 4 0	3 2 0	3 10 0	...	...	...	...	...	...	...	...	...	4 2 0	4 2 0	3 14 0	Serajgunge.
3 0 0	3 0 0	3 0 0	...	...	...	2 12 0	2 12 0	2 8 0	0 4 0	0 4 0	0 5 0	4 4 0	4 4 0	4 8 0	Dacca.
3 0 0	3 4 0	2 12 0	...	...	...	3 4 0	3 12 0	3 0 0	0 8 0	0 8 0	0 10 0	4 0 0	4 0 0	3 12 0	Naraingunge.
3 0 0	3 4 0	3 5 0	...	...	...	...	...	...	0 7 0	0 7 0	0 5 0	4 0 0	4 0 0	3 14 0	Chittagong.
1 10 6	1 11 3	2 0 0	1 9 6	1 11 3	1 13 0	1 12 0	1 12 6	1 12 0	0 5 0	0 5 0	0 5 0	3 14 0	3 14 0	3 13 0	Patna.
2 12 0	2 12 0	3 0 0	...	...	...	...	...	...	0 5 0	0 4 6	0 5 0	4 2 0	4 2 0	3 15 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 6 0	3 6 0	Pooree.
2 11 0	1 14 0	2 2 0	...	...	...	2 2 0	2 2 0	2 2 [illegible]	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 12 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Beng

STATION OBSERVATIONS.

Meteorological Division	District	Representative station	Air pressure: Mean barometric height, 8 A.M.	Air pressure: Mean reduced to sea-level.	Air pressure: Variation from mean.	Wind: Prevailing direction.	Wind: Mean wind velocity.	Temperature: Highest during week.	Temperature: Date.	Temperature: Lowest during week.	Temperature: Date.	Temperature: Mean maximum temperature.	Temperature: Mean minimum temperature of week.	Temperature: Mean daily temperature of week.	Temperature: Variation from normal of week.	Mean, 8 A.M. temperature
Orissa.	Pooree	Pooree ...	30·082	30·095	—	C. & V.-wly	110	82·7	20th Dec.	53·0	16th Dec.	78·9*	58·4*	68·9*	—	62
		Gopalpore	30·070	30·120	+·010	NNW	250	81·2	20th ,,	57·5	14th ,,	78·3	59·9	69·1	—1·6	63
		False Point ...	30·071	30·094	—·008	NNW	141	80·4	20th ,,	52·0	14 & 15 ,,	76·1	53·6	64·9	—2·2	60
	Cuttack	Cuttack ...	30·037	30·123	+·029	Calm		82·3	20th ,,	53·9	14th ,,	80·6	55·9	68·3	—2·0	69
	Balasore	Balasore ...	30·061	30·123	+·012	NNW	68·5	79·3	19th, 20th Dec.	50·5	14th ,,	77·2	52·3	64·8	—1·2	59
South-West Bengal.	South-West Midnapore / South 24-Pergunnahs	Saugor Island	30·078	30·105	+·006	N.	199	75·7	18th, 19th Dec.	54·8	14th ,,	74·9	57·5	66·2	—1·1	62
	Midnapore	Midnapore ...	29·952	30·113	—·005	N	46·0	80·3	20th ,,	51·2	14th, 15th Dec.	77·9	52·5	65·5	—1·4	64
	24-Pergunnahs ... ... / Howrah ... ... / Hooghly	Calcutta	30·086	30·109	+·005	N	48	76·0	18th, 19th Dec.	51·3	14th ,,	75·2	54·2	64·7	—1·3	64
	Burdwan	Burdwan	29·999	30·106	—·010	Calm	20·9	77·5	18th, 19th Dec.	52·3	15th ,,	76·8	54·5	65·6	—1·1	59
	Bankoora	Bankoora ...	29·773	30·095	—·012	W	56·9	77·1	19th ,,	50·5	15th ,,	76·2	52·6	64·4	—1·8	56
	Beerbhoom ... ... / West Burdwan	Raneegunge	29·769	30·126	—·002	North-westerly.	56·2	78·3	20th ,,	50·2	14th ,,	77·4	52·5	64·9	—1·1	57
	Moorshedabad	Berhampore ...	30·029	30·100	—·005	NNW	28·1	76·6	14th, 19th Dec.	53·2	14th ,,	75·7	55·6	65·7	—0·2	58
	Nuddea	Krishnaghur ...	30·059	30·129	+·014	NNW	49·9	76·7	16th, 19th Dec.	48·4	14th ,,	76·2	53·0	64·6	—1·4	59
	Jessore ... ... / Khoolna	Jessore ...	30·056	30·091	—·001	North-westerly.	29·5	77·7	17th, 19th Dec.	55·0	14th ,,	77·0	57·8	67·4	—1·1	66
	Chittagong	Chittagong ...	29·972*	30·067*	—·013	NW	40·0*	80·1	16, 17 ,,	56·1	14th ,,	78·0	57·2	67·6	+0·1	62
	Chittagong Hill Tracts	Demagiri ...	Observations not received.													
East Bengal.	Backergunge	Barrisal ...	30·060	30·073	+·006	Calm	4·1	76·8	17th Dec.	56·1	15th ,,	76·2	57·0	66·6	+0·5	64
	Noakholly	Noakholly ...	30·042	30·088	—	N	70·0	79·0	18th ,,	54·5	16th ,,	78·1	55·5	66·8	—	62
	Furreedpore	Furreedpore ...	30·052	30·084	+·012	NNW	44·3	74·0	16th, 18th, 19th Dec.	56·5	14th ,,	73·8	58·0	65·3	—1·3	63
	Dacca	Dacca ...	30·050	30·074	—·007	North-westerly.	63·5	78·6	16th ,,	56·3	14th & 15th Dec.	78·0	57·7	67·9	+0·4	62
	Tipperah	Commillah ...	30·053	30·090	+·012	Variable	10·1	78·9	19th ,,	53·5	15th to 17th Dec.	78·3	55·9	67·1	+1·0	63
	Mymensingh	Mymensingh ...	30·012	30·073	—·007	Calm	27·7	77·9	18th ,,	56·4	18th ,,	77·1*	56·7	66·8*	+2·0	60
North Bengal.	Bogra	Bogra ...	29·993	30·066	+·009	Calm	20·8	78·3	16th, 19th, 20th Dec.	53·8	14th ,,	77·6	56·4	67·0	+1·2	67
	Pubna	Serajgunge ...	30·027	30·076	—·010	N	18·6	78·3	19th ,,	54·1	14th ,,	77·6	56·6	67·2	+2·4	61
	Rajshahye	Rampor Beauleah.	29·944†	30·018†	—·062†	N	69·0	77·4	16th ,,	51·7	14th ,,	75·9	55·3	65·6	+1·7	60
	Maldah	Maldah ...	30·024	30·110	—	NW	27·8	77·1	20th ,,	48·9	14th ,,	76·7	53·8*	64·8*	—	62
	Dinagepore	Dinagepore ...	29·960	30·089	+·011	S	28·1	79·1	18th ,,	51·3	14th ,,	78·0	53·8	65·9	+1·5	59
	Rungpore	Rungpore ...	29·974	30·106	—·002	Calm & ENE	27·1	78·4	15th ,,	51·9	14th ,,	76·9	53·7	65·3	+1·8	58
	Julpigoree ... ... / Cooch Behar	Julpigoree ...	29·795*	30·095*	—·008	NE	13·4†	?	?	55·1	19th ,,	?	56·8	?	?	62
	Darjeeling Hill Tracts ...	Darjeeling ...	23·039	—	+·006	Variable	57·9	54·3	14th ,,	36·5	14th, 15th Dec.	53·5	37·7	45·6	+3·6	60
South Behar.	Purneah ... ... / North Bhagulpore	Purneah ...	29·966	30·102	—·006	Calm	30·5	75·2	16, 18 ,,	47·4	14th ,,	74·3	51·1	62·7	+0·4	59
	Mozufferpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga ...	29·944	30·123	—·002	WSW	42·7	77·4	17th Dec.	53·4	18th ,,	75·9	55·1	65·5	+1·3	58
	Chumparun	Motihari ...	29·884	30·128	+·022	SE	86·6	75·6	16th, 17th, 20th Dec.	44·9	19th ,,	74·7	48·6	61·7	+0·3	59
	Sarun	Chupra ...	29·916	30·122	+·019	W	50·1	77·3	17th ,,	51·0	18th ,,	75·4	53·7	64·5	+2·5	58
	Shahabad	Dehree ...	29·760	30·140	+·008	S.-Wly.	136·2	78·6	20th ,,	47·5	15th ,,	75·3	51·6	63·5	+1·3	56
		Buxar ...	29·870	30·131	—·004	WSW	63·7	75·4	20th ,,	50·9	14th ,,	74·3	49·4	61·9	—0·3	55
		Arrah ...	29·912	30·123	+·014	Calm	51·2	75·6	18th ,,	44·6	14th ,,	74·7	48·6	61·7	0	56
	Gya	Gya ...	29·725	30·131	—·006	S	115·4	77·2	20th ,,	48·9	14th ,,	75·8	51·1	63·4	—0·4	57
	Patna	Bankipore ...	29·932	30·129	—·014	South-westerly.	33·3	75·8	18th ,,	48·4	14th ,,	74·5	50·6	62·5	—0·3	57
	South Bhagulpore ... / Monghyr	Bhagulpore ...	29·934	30·107	—·004	Calm & WSW	55·7	77·1	17th ,,	48·0	14th ,,	75·7	49·9	62·8	+0·3	59
	Sonthal Pergunnah ...	Deoghar ...	29·582	30·217	—	NW	37·8	75·8	19th ,,	47·1	14th ,,	74·6	50·2	62·5	—	59
Chutia Nagpur.	Hazaribagh	Hazaribagh ...	28·034	30·144	—·006	WSW	167·5	75·9	19th ,,	47·5	14th ,,	72·4	50·0	61·2	+0·2	57
	Lohardugga ... ... / Manbhoom	Ranchee ...	27·896	30·122	—·008	Calm	114·6	76·0	19th ,,	45·5	14th ,,	72·6	47·8	60·2	—0·2	57
	Singbhoom	Chyebassa ...	29·337	30·149	—	WSW	23·9	79·5	19, 20 ,,	46·9	14th ,,	77·3	49·3	63·5	—	59

* Means of six days. | † Means of five days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average of means of the reading during the same period for the

The *humidity* of the atmosphere is expressed as percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The rai

are the numerical means or average of the rainfall in that district determined from the returns sent in by the subdivisional station for the period in question during the

stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

...r the week ending Friday, the 20th of December 1889.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M., for week.	Rainfall of week at observing station.	OF WEEK. Mean for district.	OF WEEK. Normal mean.	DISTRICT OBSERVATIONS. RAINFALL. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since May 15th. Mean for district.	Since May 15th. Normal mean.	Since May 15th. Variation.	Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
84	1·1	Nil	Nil	0·18	Nil	0·80	−0·80	74·53	55·12	+19·41	0·0	0·3	Pooree	Pooree	Orissa.
75	0·9	Nil											Gopalpore		
88	2·4	Nil											False Point		
75	2·4	Nil	Nil	0·14	Nil	0·53	−0·53	66·19	51·50	+14·69	0·0	0·3	Cuttack	Cuttack	
89	0	Nil	Nil	0·08	Nil	0·27	−0·27	49·87	52·54	−2·67	0·0	0·2	Balasore	Balasore	
88	1·9	Nil	Nil	0·06	Nil	0·34	−0·34	58·39	61·98	−3·59	0·0	0·1	Saugor Island	South-West Midnapore	South-West Bengal.
78	1·1	Nil	Nil	0·08	Nil	0·25	−0·25	46·29	51·00	−4·71	0·0	0·1	Midnapore	South 24-Pergunnahs	
79	1·0	Nil	Nil	0·06	Nil	0·28	−0·28	53·38	51·15	+2·23	0·0	0·1	Calcutta	Midnapore	
76	1·3	Nil	Nil	0·05	Nil	0·18	−0·18	43·81	46·28	−2·45	0·0	0·1	Burdwan	24-Pergunnahs... ...	
78	0·9	Nil	Nil	0·14	Nil	0·29	−0·29	55·88	52·27	+3·61	0·0	0·2	Bankoora	Howrah	
79	0·3	Nil	Nil	0·03	Nil	0·13	−0·13	52·44	51·16	+1·28	0·0	0·1	Raneegunge	Hooghly	
87	0·6	Nil	Nil	0·03	Nil	0·14	−0·14	51·15	49·98	+1·17	0·0	0·1	Berhampore	Burdwan	
88	1·4	Nil	Nil	0·04	Nil	0·13	−0·13	51·49	48·82	+2·67	0·0	0·1	Krishnaghur	Beerbhoom	
94	2·0	Nil	Nil	0·02	Nil	0·24	−0·24	53·33	52·64	+0·71	0·0	0·1	Jessore	West Burdwan ...	
90	0·9	Nil	Nil	0·03	Nil	0·51	−0·51	99·60	112·93	−13·33	0·0	0·2	Chittagong	Moorshedabad	
			Nil	0·01	Nil	0·47	−0·47	64·45	80·52	−16·07	0·0	0·1	Demagiri	Nudden	
87	0	Nil	Nil	0·01	Nil	0·41	−0·41	77·58	76·30	+1·28	0·0	0·1	Barrisal	Jessore	
91	0	Nil	Nil	0·02	Nil	0·79	−0·79	90·03	105·79	−15·76	0·0	0·1	Noakholly	Khoolna	
89	0	Nil	Nil	0·02	Nil	0·13	−0·13	60·21	55·39	+4·82	0·0	0·1	Furreedpore	Chittagong	
87	1·4	Nil	Nil	0·02	Nil	0·24	−0·24	74·59	59·20	+15·39	0·0	0·1	Dacca	Chittagong Hill Tracts	East Bengal.
86	0	Nil	Nil	0·01	Nil	0·35	−0·35	55·43	68·78	−13·35	0·0	0·1	Comillah	Dacca	
96	1·0	Nil	Nil	0·01	Nil	0·14	−0·14	87·63	67·12	+20·51	0·0	0·1	Mymensingh	Tipperah	
94	0	Nil	Nil	0·02	Nil	0·14	−0·14	64·80	56·89	+7·91	0·0	0·1	Bogra	Mymensingh	
86	0·6	Nil	Nil	0·01	Nil	0·10	−0·10	54·99	52·83	+2·16	0·0	0·1	Serajgunge	Bogra	
91	0·1	Nil	Nil	0·01	Nil	0·13	−0·13	54·30	53·31	+0·99	0·0	0·1	Rampore Beauleah	Pubna	
87	0	Nil	Nil	0·02	Nil	0·10	−0·10	39·76	53·72	−13·96	0·0	0·1	Maldah	Rajshahye	North Bengal.
92	1·2	Nil	Nil	0·03	Nil	0·18	−0·18	57·37	56·59	+0·78	0·0	0·1	Dinagepore	Maldah	
91	0	Nil	Nil	0·02	Nil	0·14	−0·14	85·16	73·68	+11·48	0·0	0·1	Rungpore	Dinagepore	
92	0	Nil	Nil	0·06	Nil	0·16	−0·16	117·13	111·19	+5·94	0·0	0·2	Julpigoree	Rungpore	
96	2·7	Nil	Nil	0·20	Nil	0·28	−0·28	132·75	120·23	+12·52	0·0	0·3	Darjeeling	Julpigoree	
92	0·7	Nil	Nil	0·02	Nil	0·09	−0·09	74·71	58·10	+16·61	0·0	0·1	Purneah	Cooch Behar	
			Nil	0·03	Nil	0·07	−0·07	48·66	42·56	+6·10	0·0	0·1	Mozufferpore	Darjeeling Hill Tract	
91	1·0	Nil	Nil	0·03	Nil	0·08	−0·08	51·84	44·01	+7·83	0·0	0·1	Durbhunga	Purneah	
92	0·6	Nil	Nil	0·07	Nil	0·16	0·16	63·55	46·07	+17·48	0·0	0·2	Motihari	North Bhaugulpore ...	North Behar.
94	0·3	Nil	Nil	0·07	Nil	0·14	−0·14	49·13	42·18	−2·05	0·0	0·2	Chupra	Mozufferpore	
91	1·0	Nil											Dehree	Durbhunga	
91	1·7	Nil	Nil	0·10	Nil	0·29	−0·29	40·67	39·53	+0·54	0·0	0·2	Buxar	Motihari	
92	2·0	Nil											Arrah	Chumparun	
	2·1	Nil	Nil	0·06	Nil	0·18	−0·18	37·07	40·82	−3·75	0·0	0·1	Gya	Sarun	
	2·1	Nil	Nil	0·03	Nil	0·11	−0·11	43·49	40·74	+2·75	0·0	0·1	Bankipore	Shahabad	
	1·3	Nil	Nil	0·03	Nil	0·07	−0·07	42·43	43·04	−0·61	0·0	0·1	Bhagulpore	Gya	
	0	Nil	Nil	0·04	Nil	0·10	−0·10	54·15	50·29	+3·86	0·0	0·1	Dobmka	Patna	South Behar.
	2·4	Nil	Nil	0·14	Nil	0·26	−0·26	43·03	50·06	−7·03	0·0	0·2	Hazaribagh	South Bhagulpore	
	2·1	Nil	Nil	0·22	Nil	0·34	−0·34	44·34	48·56	−4·22	0·0	0·3	Ranchi	Monghyr	
			Nil	0·05	Nil	0·19	−0·19	38·35	46·41	−8·06	0·0	0·2		Southal Pergunnahs...	
	0·7	Nil	Nil	0·16	Nil	0·37	−0·37	48·76	50·77	−2·01	0·0	0·2	Chyebassa	Hazaribagh	Chutia Nagpur.
														Lohardugga	
														Manbhoom	
														Singbhoom	

...ars. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...ing cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
...ers. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 20th of December 1889

Meteorological division.	District.	Station.	Rainfall. Saturday, 14th December.	Sunday, 15th December.	Monday, 16th December.	Tuesday, 17th December.	Wednesday, 18th December.	Thursday, 19th December.	Friday, 20th December.	Total Number of rainy days.	Total Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 1st May to date.
Orissa	Pooree	Pooree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·70	80·42	
		Khurdah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·48	76·57	
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1·22	65·36	
		False Point	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·79	75·76	
		Gop	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?		
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?		
	Cuttack	Jagatsingpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·37	73·97	
		Banki	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·75	62·43	
		Cuttack	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·33	75·18	
		Kendrapara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·49	71·77	
		Jajpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·70	57·04	
		Dharmsala	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59·25	
		Salipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	72·47	
	Balasore	Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·57	54·52	
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·26	57·66	
		Sorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	46·05	
		Balasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·40	46·61	
		Jellasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	39·59	
		Baripodah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	54·79	
South-West Bengal	Midnapore	Contai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·41	55·08	
		Saugor Island	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·35	56·71	
		Tumlook	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·28	49·40	
		Midnapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	46·26	
		Ghattal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·28	43·19	
		Kukrahaty	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59·65	
		Heria	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	65·06	
		Bhagwanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	51·72	
		Garbetta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	46·29	
	24-Pergunnahs	Diamond Harbour	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·26	63·37	
		Canning Town	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	57·63	
		Alipore Jail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·34	51·80	
		Barrackpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·29	51·72	
		Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·28	64·58	
		Baraset	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·29	57·61	
		Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·21	60·92	
	Howrah	Howrah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·30	59·12	
		Mohesreka (*Ooloberiah.*)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·29	54·64	
	Hooghly	Serampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·30	55·27	
		Hooghly	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·28	36·92	
		Jehanabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	41·13	
	Burdwan	Culna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·23	41·32	
		Burdwan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·26	47·07	
		Cutwa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	43·11	
		Raneegunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	53·83	
		Mankur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	55·71	
	Bankoora	Bankoora	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	56·79	
		Bishenpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·27	57·49	
		Maliara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·20		
		Khatra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·46	65·91	
		Indas	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	45·14	
		Kotalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	48·40	
		Anda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	40·44	
		Gangajalghati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59·17	
		Raipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	58·35	
		Sonamukhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	54·33	
	Beerbhoom	Bh. Sooty	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	59·06	
		Hetampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	47·07	
		Rampore Haut	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·18	47·78	
		Boipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	54·97	
		Murarai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	53·10	
	Nudden	Ranaghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·21	55·89	
		Kishnaghur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	42·95	
		Chooadanga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	49·81	
		Meherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	53·05	
		Kooshtea	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	55·91	
	Khoolna	Satkhira	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·35	52·59	
		Bagirhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·26	53·69	
		Khoolna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·27	58·60	
	Jessore	Narail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·23	40·47	
		Jessore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·20	62·35	
		Jhenidah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	50·56	
		Magoorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	50·48	
		Bongong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·29	46·01	
	Moorshedabad	Kandi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	55·38	
		Berhampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·16	46·16	
		Lalbagh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·15	47·13	
		Azimgunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11		
		Jungipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	55·01	
		Lalcola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	59·02	
		Jiagunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43·25	
		Akerguni	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	42·81	
		Patkabari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
East Bengal	Chittagong	Cox's Bazar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·33	123·46	
		Chittagong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·67	75·71	
		Kutubdia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	113·04	
		Satkanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	68·56	
	Chittagong Hill Tracts.	Rangamati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·54	62·64	
		Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·39	66·25	
	Backergunge	Patuakhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·48	87·15	
		Perozepore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·29	71·96	
		Burrisal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·33	73·18	
		Bhola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·54	78·99	

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 20th of December 1889—contd.

Meteorological Division.	District.	Station.	Rainfall.							Total		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
			Saturday, 14th December	Sunday, 15th December.	Monday, 16th December.	Tuesday, 17th December.	Wednesday, 18th December.	Thursday, 19th December.	Friday, 20th December.	Number of rainy days.	Rainfall of week.				
EAST BENGAL —concld.		*Gournaddi* ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	61·31	?
		Bauphal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	92·54	?
	Noakholly ...	Noakholly ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·59	102·05	107·15
		Feuny ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·98	77·98	105·88
		Harishpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	82·37	?
		Ramganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	86·75	?
	Furreedpore	Madaripore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·16	60·80	54·94
		Furreedpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	63·80	55·89
		Goalundo ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	56·29	52·52
	Dacca ...	Munshigunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·34	76·33	69·55
		Dacca ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	73·69	58·02
		Narainguuge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·35	80·56	59·45
		Manickgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	67·99	49·54
		Joydebpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	66·61	?
	Hill Tipperah	Agartola ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·36	44·08	60·88
	Tipperah ...	Comilla ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·44	62·69	75·41
		Chandpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·37	64·82	75·21
		Brahmunberia ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	50·68	60·85
		Ramchandra-pore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60·14	?
		Nasirnagar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	30·59	?
		Daudkandi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	52·29	?
		Kasba ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	62·44	?
		Laksham ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	69·09	?
	Mymensingh...	Kishoregunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	60·56	69·33
		Atia (*Tangail*) ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	60·98	54·97
		Mymensingh ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	96·55	73·56
		Jamalpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·18	85·14	64·62
		Netrokona ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	125·92	72·61
		Subornakhali ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	57·43	?
		Durgapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	140·98	?
		Sherepore Town ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	87·69	?
		Dewanganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	56·31	?
NORTH BENGAL.	Pubna ...	Pubna ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	49·83	53·26
		Serajgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	60·13	52·34
	Bogra ...	Sherepore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·18	62·66	57·03
		Nowkhilia ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	60·96	53·81
		Bogra ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	70·60	60·10
		Panchbibi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·18	64·96	55·40
	Rajshahye ...	Beauleah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	46·20	52·51
		Nattore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	58·84	54·29
		Naogaon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·20	57·87	50·64
		Lalpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	30·72	?
		Manda ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	45·27	?
	Maldah ...	Maldah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	50·53	51·26
		Chanchal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·04	28·96	56·17
		Gajol ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	39·79	?
		Sibganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	61·77	?
	Dinagepore ...	Mohadebpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	53·63	55·82
		Churamon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·16	51·83	51·92
		Raigunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	55·25	57·25
		Dinagepore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	67·84	62·99
		Balooghat ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·29	61·28	60·20
		Thakoorgaon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	87·47	?
	Rungpore ...	Bhawanigunge (*Gyabanda*).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	87·55	61·22
		Rungpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	74·41	73·04
		Kurigram ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	90·97	72·81
		Bagdogra (*Nilphamari*).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·21	87·69	84·63
		Ulipore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	79·00	?
	Julpigoree ...	Julpigoree ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	123·27	116·44
		Alipore Door ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	119·58	?
		Fallacotta ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	127·43	?
		Debiganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	89·92	?
		Bhagatpore (*Nagrakatta*).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	138·51	?
	Cooch Behar...	Dinhatta ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·26	98·09	95·72
		Cooch Behar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	125·34	117·85
		Mekilgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·20	121·37	105·21
		Matabhanga ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	117·63	111·15
	Darjeeling Hill.	Buxa ...	0·61	.....	.....	.....	.....	.....	.....	1	0·61	0·61	0·31	191·08	191·50
		Silliguri ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	129·71	102·50
		Darjeeling ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·26	127·87	108·11
		Kalimpong ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·43	91·36	82·66
		Kurseong ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	168·25	?
NORTH BEHAR	Purneah ...	Kissengunge...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	102·37	69·75
		Arrareah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	79·61	63·24
		Purneah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·15	63·45	61·13
		Gondwara ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Balarampore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Matiari ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Kaliaganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	North Bhagulpore.	Maldapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·05	66·85	49·04
		Scopool ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·09	67·26	47·68
		Protabganj ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	87·85	?
	Durbhunga ...	Tajpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	42·44	42·58
		Durbhunga ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	50·01	45·28
		Madhubani ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	65·11	44·29
		Bahera ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	69·96	?
		Roshera ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	55·84	?
	Mozufferpore	Sitamarhi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	55·06	42·62
		Mozufferpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	48·41	44·71
		Hajipore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	42·32	41·35
		Para ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	37·69	?
		Mahua ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	41·02	?
		Sishar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Pupri ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	47·60	?

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 20th of December 1889—conc

Meteorological Division.	District.	Station.	Rainfall. Saturday, 14th December.	Sunday, 15th December.	Monday, 16th December.	Tuesday, 17th December.	Wednesday, 18th December.	Thursday, 19th December.	Friday, 20th December.	Total. Number of rainy days.	Total. Rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 1st May to date
North Behar —*concluded.*	Chumparun...	Motihari ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	74·79	
		Bettiah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·19	52·29	
		Bagaha ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	69·87	
		Burhurwa ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	51·70	
	Sarun ...	Gopalgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	35·48	
		Sewan ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	44·20	
		Chuprah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	40·74	
South Behar	Shahabad	Buxar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	47·44	
		Dehree ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	42·66	
		Bhabooah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	38·16	
		Sasseram ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·24	29·41	
		Arrah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	42·09	
		Mohaniah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Gya ...	Aurungabad...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·25	35·42	
		Gya ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	39·85	
		Nowadah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	39·59	
		Jehanabad ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·16	33·40	
		Arwal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	34·34	
		Daudnagar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	26·09	
		Sherghati ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	29·29	
		Rajauli ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	17·92	
		Pakri Barawan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	31·90	
	Patna ...	Patna ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	51·49	
		Dinapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·12	45·53	
		Behar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	41·08	
		Barrh ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·11	35·83	
		Bickram ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43·28	
		Hilsa ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	35·21	
	Monghyr ...	Begoosarai ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	47·62	
		Monghyr ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	41·07	
		Jamui ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	39·48	
		Gogri ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59·19	
		Sheikpura ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43·33	
	South Bhagulpore.	Bhagulpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	45·06	
		Banka ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	38·34	
		Kolgong ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	46·97	
		Bangaon ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Sonthal Perguunahs.	Rajmehal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·06	59·90	
		Godda ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·10	49·04	
		Pakour ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·08	73·59	
		Nya Doomka ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·13	56·75	
		Deoghur ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·07	40·40	
		Jamtara ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·17	45·21	
		Mohagama ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	56·41	
		Nawiahat ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	55·87	
Kutia Nagpur.	Hazaribagh ...	Pachamba (*Giridi*).	.....	.....	...	.....	.....	.....	.....	Nil	Nil	Nil	0·12	38·90	
		Hazaribagh ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·24	49·10	
		Semtagurah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·31	36·24	
		Mahudi Hills ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·30		
		Jhoomra Hills ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·32	43·00	
		Barhi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	31·56	
		Chatra ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	46·04	
		Karagdeha ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	39·35	
		Kanghar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?		
	Lohardugga ...	Lohardugga ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·63	45·24	
		Ranchi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·24	53·61	
		Palamow ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·14	34·16	
		Silli ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	33·80	
		Balumat ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Hosseinabad ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	44·40	
		Garwah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	28·77	
	Singbhoom ...	Chyebassa ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·37	48·76	
		Chakradharpore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	40·80	
		Ghatsilla ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	58·70	
		Baharagura ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	53·80	
	Manbhoom ...	Purulia ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·22	43·46	
		Gobindpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0·16	33·19	
		Raghunathpore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	45·91	
		Barrabhoom	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	44·32	
		Jhalda ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	51·42	
		Chas ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	58·56	

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, *the 24th December* 1889.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 20TH DECEMBER 1889.

THE week under review has again been a period during which cold weather conditions have been present in a decidedly pronounced form. There have, as usual, been slight changes in the meteorological elements from day to day, but in many cases the variations in different parts of the week have compensated each other, and there has, therefore, been no practical change of any importance during the week. A steady northerly wind current has been reported at all stations, temperature and humidity have continued fairly low, though in the case of minimum temperature there has been generally a slight rise. Pressure rose steadily for the first four or five days of the week, but on the last two days it generally fell. The sky has been almost absolutely cloudless throughout the greater part of the province for the whole week, while no station has reported any rain whatever.

Pressure—As stated previously, rose considerably for the first four or five days of the week, but on the last day or two there was a very decided fall. The mean pressure for the whole week has not been very far removed from the normal, and at about half the number of stations slight defects have been reported, while at the remainder pressure has been slightly in excess of the normal.

Temperature.—The maximum or day temperatures have not shown very great variations during the week, but the night or minimum temperatures have generally shown a distinct increase from the commencement of the week. The mean temperature for the whole week for the whole province has been almost normal, but though this is the case, slight excess temperatures have been recorded in East and North Bengal and North Behar, while, on the other hand, considerable defects have been registered in Orissa and South-West Bengal.

The general average distribution of temperature over the province, its range from day to night, and the variation of both day and night temperatures from the normal are, however, best shown in the following table, where the average maximum, minimum and mean temperatures at nine typical stations in different districts of the province are compared with the normal values for the same periods. It will here be seen that while the maximum or day temperatures have only varied slightly from the normal, the night or minimum temperatures have generally been in distinct defect, the defects at such stations as Cuttack and Calcutta equalling about two degrees.

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 20th December 1889.

	Normal mean maximum temperature for the week ending 20th December.	Actual mean maximum temperature for the week ending 20th December 1889.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 20th December.	Actual mean minimum temperature for the week ending 20th December 1889	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 20th December.	Actual mean daily temperature for the week ending 20th December 1889.	Variation of actual mean from the normal.
Cuttack	82·4	80·6	−1·8	58·1	55·9	−2·2	70·3	68·3	−2·0
Calcutta	76·1	75·2	−0·9	55·9	54·2	−1·7	66·0	64·7	−1·3
Dacca	78·2	78·0	−0·2	56·8	57·7	+0·9	67·5	67·9	+0·4
Burdwan	77·7	76·8	−0·9	55·7	54·5	−1·2	66·7	65·6	−1·1
Patna	74·3	74·5	+0·2	51·2	50·6	−0·6	62·8	62·5	−0·3
Gya	75·6	75·8	+0·2	52·0	51·1	−0·9	63·8	63·4	−0·4
Purneah	75·9	74·3	−1·6	48·6	51·1	+2·5	62·3	62·7	+0·4
Hazaribagh	71·4	72·4	+1·0	56·6	56·0	−0·6	61·0	61·2	+0·2
Darjeeling	48·1	53·5	+5·4	35·8	37·7	+1·9	42·0	45·6	+3·6

Rainfall—As above stated, has been entirely absent from the province throughout the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 20th of December 1889 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	82·7	50·5	78·2	56·0	67·2	−1·8	Nil	0·13	−0·13	0·0	0·3	−0·3	Nil	0·50	61·89	53·46
South-West Bengal ...	80·0	48·4	76·4	54·5	65·4	−1·2	Nil	0·05	−0·05	0·0	0·1	−0·1	Nil	0·22	52·56	51·52
East Bengal	80·1	54·5	77·1	56·9	67·0	+0·4	Nil	0·01	−0·01	0·0	0·1	−0·1	Nil	0·33	75·38	73·06
North Bengal*	79·1	48·9	77·1	54·9	66·0	+1·7	Nil	0·03	−0·03	0·0	0·1	−0·1	Nil	0·15	73·11	69·85
North Behar	77·4	44·9	75·1	52·1	63·6	+1·1	Nil	0·04	−0·04	0·0	0·1	−0·1	Nil	0·10	57·66	48·15
South Behar	78·6	46·9	75·0	50·2	62·6	+0·1	Nil	0·05	−0·05	0·0	0·1	−0·1	Nil	0·15	44·16	43·28
Chutia Nagpur	76·0*	45·5*	72·5*	48·9*	60·7*	0 *	Nil	0·15	−0·15	0·0	0·2	−0·2	Nil	0·27	43·08	48·83

* Julpigoree and Chyebassa not included.

Meteorological Office, Bengal;
The 24th December 1889.

A. Pedler,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 15th to 21st December 1889.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.						Hygrometry.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1889.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
December ...	15th ...	30·138	64·7	75·9	22·5	53·4	68·1	60·7	·433	54·9	63	Nil.
,, ...	16th ...	·121	66·4	76·9	21·0	55·9	69·6	63·6	·509	59·5	70	,,
,, ...	17th ...	·121	66·4	76·9	21·0	55·9	71·0	64·6	·525	60·3	69	,,
,, ...	18th ...	·143	66·0	76·9	21·8	55·1	69·6	63·3	·499	58·9	69	,,
,, ...	19th ...	·096	65·9	75·9	20·0	55·9	67·6	62·7	·505	59·2	74	,,
,, ...	20th ...	·046	65·9	78·9	22·0	54·9	68·6	62·7	·492	58·5	70	,,
,, ...	21st ...	·073	65·8	76·5	21·5	55·0	69·6	62·7	·479	57·8	66	,,

	Inches.
The mean 10 A.M. pressure of the seven days	30·105
	°
The mean temperature of the seven days	65·9
The extreme variation of temperature	23·5
The maximum temperature	76·9
	%
The mean 10 A.M. relative humidity of the seven days	69
	Inches.
The total fall of rain from 15th to 21st December 1889	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. Little,
For Meteorological Reporter to the Govt. of Ind.

Meteorological Office, India;
The 23rd December 1889.

Results of the Meteorological Observations taken at the Alipore Observatory from 15th to 21st December 1889.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
1889.		○		Inches.	○	○	○	○	○	Inches	○	%			Inches.	
Dec.	15th	129·6	8·8	30·051	63·1	74·4	21·9	52·5	58·5	0·436	55·2	76	N by E and calm ...	39	Nil	Chiefly clear, ≏.
,,	16th	129·5	8·8	·051	65·3	75·4	19·2	56·2	60·4	·464	56·8	75	N and N by E ...	59	,,	Chiefly clear, ≏.
,,	17th	131·0	9·4	·040	65·1	75·9	20·5	55·4	60·5	·470	57·2	76	NNE and N ...	59	,,	Chiefly clear, ≏, =.
,,	18th	129·6	9·3	·054	65·2	75·8	20·3	55·5	59·4	·433	54·9	72	NNW and N ...	62	,,	Chiefly clear, ≏.
,,	19th	131·1	7·8	·008	64·1	75·0	20·2	54·8	58·8	·430	54·8	74	N by E and N ...	47	,,	Partially cloudy ≏, =.
,,	20th	130·4	8·8	29·975	64·2	76·2	22·6	54·3	58·2	·407	53·2	68	N and calm ...	55	,,	Chiefly clear, ≏, =.
,,	21st	129·7	9·1	30·007	63·7	75·2	21·8	53·4	58·5	·423	54·3	72	NNW and NNE ...	54	,,	Clear, ≏, =.

		Inches.
The mean pressure of the seven days		30·027
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...		30·032
		Hours.
The total number of hours of bright sunshine		62·0
The maximum possible number of hours of sunshine		75·0
		○
The mean temperature of the seven days		64·4
The average temperature of the corresponding period for 24 years, S.-G.'s Office		67·4
The extreme variation of temperature		24·4
The maximum temperature		76·9
		Miles.
The highest velocity of the wind in one hour		10
		lbs.
The highest pressure of wind on one square foot	Not measurable.	
		%
The mean relative humidity		73
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office		71
		Inches.
The total fall of rain from 15th to 21st December 1889		Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...		0·01
The total fall from 1st January to 21st December 1889		57·44
The average fall of the corresponding period for 24 years, S.-G.'s Office ...		63·23

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the rmometers are verified, and the readings have been corrected to a standard constructed and verified at the w Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet ve the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly he Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

≏ dew; = fog.

C. Little,
For Meteorological Reporter to the Govt. of India.

TEOROLOGICAL Office, Govt. of India;
Calcutta, the 23rd December 1889.

MEMORANDUM.

THE mortuary returns of the districts in Bengal for the month of October 1889 present the following results :—

1. That 148,610 deaths occurred among a population of 65,859,534, representing an annual death-rate of 27· per 1,000 against 24·60 per 1,000 in the preceding month, and 27·12 per 1,000 in the corresponding month of the preceding year, indicating, as compared with the former period, an improvement in the number of deaths recorded.

2. That the highest casualty-rates were returned from the following districts :—

Districts.	Ratio per *mille.*	*Districts.*	Ratio per *mille.*
Monghyr ...	52·56	Durbhanga ...	29·04
Gya ...	42·72	Murshedabad ...	27·96
Shahabad ...	42·12	Mozufferpore ...	27·72
Bhagulpore ...	38·88	Birbhum ...	27·24
Maldah ...	35·64	Jessore ...	27·12
Patna ...	34·68	Dinajpur ...	27·12
Serampore ...	34·44	Pubna ...	26·52
Hazaribagh ...	32·40	Balasore ...	26·52
Julpaiguri ...	32·28	Cuttack ...	26·40
Darjiling ...	31·20	Bogra ...	26·16
Rajshahye ...	30·00	Sarun ...	25·80
Hughli ...	29·64	Khulna ...	25·32

3. That the mortality from the principal diseases does not exhibit any noticeable difference in comparison with the death-rates from the same diseases during the corresponding month of the preceding year; *vide* figures given below :—

	Ratio per *mille* during—	
	October 1889.	October 1888.
Cholera	·84	·84
Small-pox	·02	·02
Fever	20·76	21·00
Bowel-complaints	·84	·84
Injury	·48	·36
Other causes	3·84	3·84

4. That while the incidence from small-pox, bowel-complaints and injury did not exceed the normal mortality generally, cholera and fever caused the greatest loss of life in the following districts, the maladies classed under the head of "Other causes" proving conspicuously fatal only in the Poori district, viz., at the rate of 15· per 1,000 of population :—

Cholera.	Ratio per *mille.*	*Fever.*	Ratio per *mille.*	*Fever*—concld.	Ratio per *mille.*
Mozufferpore ...	5·76	Monghyr ...	44·76	Jessore ...	24·12
Shahabad ...	2·88	Gya ...	36·48	Pubna ...	24·12
Durbhanga ...	2·88	Shahabad ...	33·36	Murshedabad ...	23·04
		Maldah ...	32·88	Durbhanga ...	22·92
		Bhagulpore ...	31·20	Darjiling ...	22·56
		Julpaiguri ...	29·40	Purneah ...	22·32
		Hazaribagh ...	27·60	Bogra ...	21·48
		Rajshahye ...	27·00	Hughli ...	21·00
		Patna ...	26·04	Serampore ...	20·64
		Dinajpur ...	25·80		

5. That the mortality of the month classified under the heads of *Sex*, *Class* and *Age* stood as follows :—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	28·44	Christians	16·32	Under 1 year ...	188·16
Females	25·56	Hindus	28·80	1 and under 5 years ...	31·92
Ratio of male deaths to every 100 female deaths	109	Mahomedans	24·00	5 „ 10 „ ...	15·12
		Buddhists	16·80	10 „ 15 „ ...	12·84
		Other classes ...	20·88	15 „ 20 „ ...	16·92
				20 „ 30 „ ...	15·72
				30 „ 40 „ ...	18·00
				40 „ 50 „ ...	25·20
				50 „ 60 „ ...	37·92
				60 years and upwards ...	69·00

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 20th December 1889.

NOTE.—The publication of these statistics has been unavoidably delayed for want of the figures of the Lohardugga district till 19th December 1889.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of ... Dec. 1889. Month.

1	2	3			4							5							6		7		8		9
DIVISIONS.	DISTRICTS.	POPULATION.			MORTALITY ACCORDING TO— Disease. DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.							COMPARISON WITH PREVIOUS PERIODS.		Sex. DEATHS AMONG—		Sex. RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male deaths to every 100 female deaths.
		Males.	Females.	Total.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous month.	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year.	Males.	Females.	Males.	Females.	
BURDWAN	Burdwan	668,295	723,528	1,391,823	5	...	2,136	66	26	567	2,800	·03	...	18·36	·48	·12	4·89	24·12	23·40	21·00	1,510	1,290	27·00	21·72	117
	Bankura	507,136	534,616	1,041,752	24	6	1,158	32	23	282	1,505	·24	·86	13·32	·36	·24	3·00	17·28	20·76	17·88	787	718	18·60	16·08	107
	Birbhum	381,563	412,865	794,428	6	1	1,311	4	24	461	1,807	·08	·01	19·89	·06	·36	6·96	27·24	21·28	24·96	945	862	29·64	24·96	109
	Midnapore	1,243,195	1,272,370	2,515,565	21	14	3,721	249	69	744	4,818	·09	·06	17·64	1·08	·24	3·48	22·92	23·40	25·44	2,571	2,247	24·72	21·12	114
	Hughli	315,665	347,385	663,050	44	1	1,162	155	20	257	1,639	·72	·01	21·00	2·76	·36	4·56	29·64	29·28	25·20	831	831	30·48	32·40	110
	Serampore	174,366	177,589	351,955	33	...	608	152	15	185	1,012	1·08	...	20·64	5·16	·48	6·24	34·44	29·88	25·20					
	Total (Hughli including Serampore).	490,031	524,974	1,015,005	98	1	1,770	307	35	442	2,651	1·08	·01	20·88	3·60	·36	5·16	31·32	28·80	24·72	1,343	1,300	32·76	29·88	102
PRESIDENCY	Howrah	316,479	318,902	635,381	20	1	625	239	38	342	1,265	·36	·01	11·76	4·44	·60	6·36	23·88	23·64	27·24	705	560	26·64	21·00	125
	24-Pergunnahs	860,841	812,521	1,673,362	36	4	2,016	125	119	412	2,703	·24	·02	14·49	·84	·72	2·88	19·32	20·76	28·20	1,499	1,243	20·28	18·24	117
	Nuddea	805,779	849,942	1,655,721	16	...	2,648	20	80	531	3,325	·10	...	19·08	·12	·48	3·96	24·00	18·96	25·32	1,797	1,628	26·76	21·48	117
	Jessore	969,271	980,104	1,939,375	60	...	3,917	14	102	308	4,401	·36	...	24·12	·08	·60	1·80	27·12	21·60	24·12	2,369	2,032	29·52	24·84	116
	Murshidabad	586,483	640,307	1,226,790	77	...	2,357	23	45	365	2,866	·72	...	23·64	·12	·36	3·48	27·96	25·44	28·20	1,525	1,341	31·20	25·08	113
	Khulna	568,402	511,546	1,079,948	13	...	1,749	21	32	458	2,280	·12	...	19·32	·12	·36	5·04	24·32	22·32	27·84	1,154	1,126	24·36	20·40	102
														19·80	·06	·36	·84	27·12	25·20	31·08	1,799	1,643	27·48	25·08	109
RAJSHAHYE	Dinajpur	782,292	752,054	1,514,346	...	...	3,021	18	81	227	3,350	·03	...	27·00	·12	·72	1·92	30·00	21·48	26·04	1,774	1,576	32·16	27·84	112
	Rajshahye	660,719	678,803	1,339,603	3	...	3,330	4	36	259	3,654	·02	...	18·96	·01	·24	1·44	20·88	16·20	24·12	1,962	1,692	21·96	19·68	115
	Rungpore	1,067,701	1,030,263	2,097,964	5	...	1,816	3	41	238	1,901	·04	...	21·48	·04	·60	3·84	26·16	29·64	23·16	847	754	27·24	24·96	112
	Bogra	372,193	361,200	733,393	3	...	2,644	17	58	141	2,903	·36	...	24·12	·12	·48	1·20	29·52	19·92	23·16	1,591	1,312	29·40	23·64	121
	Pubna	648,311	663,417	1,311,728	43	...	2,644	17	58	141	2,903	·36	...	22·56	3·36	·00	4·44	31·20	35·52	30·12	243	163	32·52	29·40	149
	Darjiling	89,351	66,294	155,645	...	...	294	45	9	58	406	...	...	29·52	·36	·48	1·92	32·28	25·20	38·52	765	807	33·00	34·92	94
	Julpaiguri	295,972	276,418	582,390	1	...	1,427	18	27	99	1,572	·01	...	29·52	·36	·48	1·92	32·28	25·20	38·52	765	807	33·00	34·92	94
														29·64	·36	·48	1·92	32·28	16·32	21·60	1,943	1,631	23·29	18·00	117
DACCA	Dacca	1,033,863	1,082,487	2,116,350	7	3	2,470	232	77	768	3,547	·03	·01	13·92	1·20	·36	4·20	29·04	15·59	19·32	1,995	1,801	23·88	17·40	134
	Faridpore	865,989	825,745	1,691,734	22	1	2,205	46	61	473	2,808	·12	·007	16·29	·24	·36	3·36	20·64	15·59	19·32	2,013	1,945	24·72	23·08	103
	Backergunj	973,479	927,410	1,900,889	10	...	2,205	36	118	1,189	3,958	·06	...	16·84	·12	·72	3·84	21·96	18·48	23·16	2,013	1,945	24·72	23·08	103
	Mymensing	1,335,840	1,501,103	3,056,943	13	30	3,866	77	57	755	4,756	·04	·10	15·12	·24	·12	1·56	22·08	21·36	20·40	1,962	1,981	23·88	21·48	98
														19·80	·48	·72	3·00	24·00	21·84	23·56	3,975	3,926	23·52	22·44	101
CHITTAGONG	Chittagong	531,649	660,692	1,192,341	13	1	1,870	51	72	149	2,143	·009	...	19·80	·12	·72	3·00	24·00	21·84	23·56	814	834	23·52	24·00	98
	Noakhali	415,248	405,524	820,772			1,357	16	55	205	1,648	·12	·01	19·80	·12	·72	4·02	29·28	17·88	18·24	1,153	1,215	21·00	19·44	111
	Tipperah	768,456	745,911	1,514,361			1,807	46	94	624	2,565	...	...	14·28	·24	·72	5·52	34·68	33·84	33·60	2,846	2,528	35·64	33·84	100
														16·84	·12	·72	4·32	29·28	17·88	18·24	1,153	1,215	21·00	19·44	111
PATNA	Patna	856,691	895,053	1,751,559	79	3	3,810	287	83	819	5,072	·48	·01	26·04	1·92	·48	3·36	32·72	42·12	33·60	2,846	2,528	35·64	33·84	100
	Gya	1,043,441	1,081,241	2,124,682	395	9	6,057	53	135	606	7,373	1·68	·04	30·48	·24	·72	4·08	42·12	42·84	37·96	3,472	3,423	43·92	40·44	101
	Shahabad	950,256	1,014,689	1,964,909	485	6	5,473	67	89	782	6,902	2·88	·03	33·36	·36	·48	2·04	27·72	25·76	24·84	3,254	2,784	30·84	24·84	119
	Mozufferpore	1,265,731	1,316,329	2,582,060	1,249	2	3,987	148	156	466	5,988	5·76	·08	18·48	·60	·72	1·56	27·04	24·72	16·80	3,289	3,093	30·36	27·72	105
	Durbanga	1,295,788	1,337,659	2,633,447	647	1	5,042	179	155	349	6,373	2·88	·003	22·92	·72	·60	9·80	25·80	20·04	22·32	2,546	2,391	28·08	25·68	106
	Sarun	1,085,847	1,199,832	2,285,679	216	6	2,375	371	156	1,813	4,937	1·08	·02	12·36	1·92	·72	3·72	29·88	17·64	24·12	1,561	1,439	21·48	20·28	108
	Chumparun	870,637	856,381	1,721,608	164	21	2,136	41	97	542	3,001	1·08	·12	14·88	·24	·60	4·56	32·36	45·96	40·56	4,245	3,391	52·56	52·56	102
														14·76	·36	·96	4·56	32·36	31·80	34·68	3,249	3,123	39·72	37·92	103
BHAGULPORE	Monghyr	969,124	1,000,650	1,969,774	315	7	5,113	113	77	752	6,377	1·92	·03	31·20	·60	·96	·60	24·36	13·44	23·88	2,017	1,721	26·16	22·56	118
	Bhagulpore	979,119	987,039	1,966,158	144	...	3,453	11	52	108	3,768	·84	...	22·32	·07	·24	2·16	25·44	16·44	40·08	1,223	894	31·24	29·40	137
	Purneah	937,080	911,607	1,848,387	12	...	1,947	4	21	133	2,117	·12	...	32·88	·06	·24	2·16	18·60	22·32	14·88	1,353	1,088	29·64	16·68	124
	Maldah	346,998	363,450	710,448	115	1	1,959	43	34	289	2,441	·24	·007	14·88	·24	·24	7·20	26·40	25·32	18·24	1,293	1,203	27·24	25·68	101
	Santhal Pergunnahs	785,330	782,763	1,568,093			1,959	43	34	289	2,441	·24	·007	15·80	2·88	·60	15·00	24·96	26·52	18·24	971	883	26·04	23·88	109
ORISSA	Cuttack	877,702	917,363	1,795,065	279	9	2,966	431	96	1,080	3,981	1·80	·60	3·72	3·48	·60	15·00	24·96	28·20	23·20	1,955	1,638	27·36	25·68	101
	Poori	446,609	441,878	888,487	144	25	284	264	51	1,116	1,854	1·44	·24	13·44	6·12	·48	6·12	26·52	28·20	23·20	1,955	1,638	27·36	25·68	101
	Balasore	461,461	483,819	945,280	6	4	1,803	488	45	485	2,693	·07	·48	13·44	6·12	·48	3·12	32·40	30·60	39·60	1,475	1,515	32·40	32·40	97
														27·60	·60	·48	3·12	32·40	30·60	39·60	1,475	1,515	32·40	32·40	97
CHOTA NAGPORE.	Hazaribagh	544,866	559,876	1,104,742	41	1	2,547	64	48	289	2,990	·36	·01	16·56	2·16	·01	4·89	24·24	33·28	37·92	1,035	1,560	25·44	24·92	103
	Lohardugga	796,857	812,587	1,609,244	83	...	4,222	303	3	644	5,255	·60	...	13·08	·96	·48	1·68	18·24	22·20	23·16	894	800	20·76	15·84	131
	Singbhum	220,684	227,094	453,778	30	...	497	39	19	109	694	·72	...	15·12	·96	·12	3·48	19·92	23·44	18·84	959	813	21·60	15·24	116
	Manbhum	525,323	532,900	1,058,223	8	5	1,337	87	15	311	1,763	·08	·04												
	TOTAL FOR THE PROVINCE.	32,633,799	33,195,834	65,559,534	5,060	163	114,036	4,774	2,934	21,644	148,610	·54	·02	20·76	·84	·48	3·84	27·09	24·60	27·12	77,643	70,967	28·44	25·56	109

DIVISIONS.	DISTRICTS.	10					11					12										13									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
BURDWAN ...	Burdwan	...	2,331	469	...	...	...	24·84	20·76	...	.....	575	275	191	103	142	334	325	293	222	338	219·12	25·03	13·68	9·36	13·92	15·60	17·52	23·04	27·48	51·00
	Bankura	...	1,345	69	...	100	...	17·04	15·48	...	14·16	288	140	131	69	87	177	155	137	128	213	11·28	13·80	19·32	7·56	11·04	11·88	12·60	23·76	24·60	45·84
	Birbhum	...	1,442	347	...	18	...	27·96	25·56	...	14·88	494	231	163	99	109	148	146	114	108	206	352·32	34·68	19·44	13·68	19·44	13·08	14·16	15·72	22·32	53·40
	Midnapore	3	4,285	277	...	253	48·60	22·92	20·16	...	25·80	954	624	357	215	217	505	445	406	375	600	183·12	27·24	12·24	10·44	11·28	12·72	14·52	23·76	31·44	57·84
	Hughli	...	1,819	320	...	...	...	29·64	29·52	...	...	353	207	102	65	91	199	183	155	110	179	249·72	44·00	17·88	13·32	18·24	17·52	20·52	24·60	27·60	58·08
	Serampore	...	845	167	...	...	...	34·68	33·48	...	...	200	136	74	53	47	109	102	102	68	121	239·52	61·12	12·84	20·76	17·88	18·48	21·12	30·24	32·16	74·52
	Total (Hughli including Serampore).	...	2,164	487	...	...	...	31·44	30·84	...	...	553	343	176	122	138	299	285	257	178	300	245·88	45·24	20·64	15·84	18·12	17·88	20·64	26·40	29·16	65·72
PRESIDENCY ...	Howrah	2	1,021	240	...	...	11·64	24·48	21·72	...	...	310	176	74	57	58	105	84	98	89	214	199·68	31·08	11·28	11·16	13·12	10·32	10·68	19·32	18·48	66·12
	24-Pergunnahs ...	13	1,817	873	...	...	15·24	21·00	16·68	...	...	472	323	213	118	198	296	273	212	197	401	198·52	29·16	11·40	8·76	17·40	11·40	13·08	15·96	24·48	47·76
	Nuddea	16	1,460	1,849	...	...	22·68	24·00	24·00	...	...	732	467	300	169	177	290	230	268	217	448	230·40	27·60	14·16	11·64	17·40	13·20	13·68	19·32	24·24	51·12
	Jessore	...	1,742	2,659	...	...	...	27·12	27·24	...	...	647	729	468	293	271	419	371	391	289	523	150·72	33·16	19·32	17·88	21·96	15·36	16·80	24·36	27·60	53·04
	Murshidabad	...	1,926	1,200	...	...	...	31·44	21·36	...	...	538	407	327	158	137	264	255	232	188	368	231·72	34·44	21·84	15·48	16·68	15·48	17·46	22·44	27·96	56·88
	Khulna	1	970	1,349	...	...	15·96	22·20	28·21	...	...	513	267	186	113	114	245	212	170	144	318	234·96	38·64	14·52	13·20	24·96	20·16	22·92	25·68	28·56	41·76
RAJSHAHYE ...	Dinajpur	...	1,653	1,782	...	6	...	27·48	26·76	...	50·16	532	550	349	165	244	434	433	315	190	259	182·28	38·64	14·52	13·20	24·96	20·16	22·92	25·68	28·56	41·76
	Rajshahye	...	635	2,715	...	...	...	26·28	32·16	...	...	559	485	329	191	264	451	383	268	141	279	213·84	35·76	18·36	17·04	30·36	23·40	23·88	28·08	23·64	47·52
	Rungpore	...	1,312	2,312	...	...	...	19·20	21·96	...	...	552	562	258	159	237	496	524	406	225	365	128·16	17·76	9·72	9·36	18·36	16·68	19·56	22·80	28·44	38·16
	Bogra	...	280	1,512	...	...	...	24·60	26·52	...	...	326	202	138	84	115	179	163	134	113	130	243·04	25·08	13·56	13·80	23·16	17·16	18·60	24·72	37·20	44·28
	Pubna	...	830	2,075	...	...	...	27·48	26·16	...	...	249	450	307	226	175	391	273	237	158	341	97·80	20·00	22·55	21·48	22·20	17·76	18·12	23·76	25·92	53·88
	Darjiling	2	349	15	40	...	33·44	32·88	21·84	25·56	...	51	56	24	24	31	61	63	33	29	50	196·08	41·28	15·36	18·36	28·08	20·88	20·24	30·96	48·00	51·60
	Julpaiguri	...	979	576	...	26	...	31·56	33·12	...	67·36	362	187	76	66	102	196	154	159	117	153	268·92	32·40	10·32	13·56	29·28	14·28	21·72	32·52	41·40	56·88
DACCA ...	Dacca	12	1,537	1,608	...	...	16·32	21·48	19·08	...	...	677	519	243	162	174	348	321	235	212	664	138·00	22·68	8·64	8·52	12·84	11·04	13·68	15·00	24·56	60·12
	Faridpore	2	1,159	1,647	...	...	8·64	21·84	20·16	...	...	524	304	207	146	129	213	250	207	206	543	155·16	21·96	10·32	9·96	12·84	10·80	13·32	15·96	25·08	61·56
	Backergunj	9	1,138	2,811	...	...	29·64	21·84	26·52	...	...	977	564	376	102	128	333	413	242	201	545	250·80	27·00	16·80	9·36	11·52	11·64	15·84	16·92	28·92	66·00
	Mymensing	6	1,710	2,997	...	89	...	20·64	17·52	...	41·04	659	583	360	200	336	559	538	459	369	697	105·96	16·68	8·76	10·08	10·20	13·08	15·48	19·68	23·28	48·84
CHITTAGONG ...	Chittagong	503	1,502	72	...	68·16	21·12	23·28	15·96	...	235	375	202	97	111	188	179	173	185	397	83·68	30·48	12·84	8·52	13·80	13·44	15·48	21·24	32·88	77·28
	Noakhali	368	1,280	...	...	...	20·88	25·20	...	...	338	270	138	61	84	160	126	110	90	207	174·12	29·88	12·36	8·16	13·92	14·64	14·28	18·84	23·28	54·24
	Tipperah	3	4,602	497	...	13·80	34·68	26·28	...	...	868	843	523	172	147	394	403	454	613	859	252·24	47·64	16·80	12·36	15·60	16·20	18·84	29·04	58·80	79·80
PATNA ...	Patna	6,892	719	...	...	...	43·44	34·96	...	...	921	1,163	656	382	247	690	693	703	780	1,250	258·48	58·28	26·04	21·72	22·92	23·40	26·40	42·12	65·64	118·44
	Gya	6,856	403	...	...	...	43·44	32·64	...	...	1,096	933	563	288	194	574	607	677	723	1,249	283·92	45·60	24·72	16·80	18·24	21·00	24·24	41·04	72·36	118·20
	Shahabad	6,502	724	...	...	...	27·84	27·36	...	...	314	776	607	337	249	650	727	690	712	926	84·72	28·56	18·24	15·60	17·76	18·96	22·68	30·48	55·80	72·00
	Mozufferpore	1	5,725	687	...	36·84	29·52	25·08	...	...	502	1,064	610	322	318	740	675	682	598	857	119·64	39·00	18·12	15·24	21·00	20·52	29·04	29·04	48·00	73·80
	Durbhanga	5,263	474	...	...	...	28·92	21·12	...	...	655	713	300	196	157	399	455	498	451	1,121	146·28	30·48	10·92	9·84	12·72	12·96	15·36	24·72	38·40	97·56
	Sarun	4,463	374	...	...	...	28·92	21·12	...	...	655	713	239	151	91	342	354	327	304	529	92·52	20·76	11·76	8·88	9·48	14·16	13·80	21·84	35·04	65·16
	Champarun	4	2,635	382	...	24·72	21·36	17·88	...	...	341	352	230	143	188	523	557	711	683	1,58	468·72	95·40	26·40	19·66	16·56	20·16	22·92	41·76	67·44	167·64
BHAGULPORE...	Monghyr	7,998	632	...	6	...	54·00	40·32	...	9·96	1,383	2,008	660	343	188	523	557	711	683	686	680	225·36	51·84	23·04	20·28	19·32	23·40	26·16	36·96	67·08	85·20
	Bhagulpore	2	5,915	460	...	41·52	40·20	29·64	...	...	1,009	995	691	377	229	656	666	587	396	455	87·84	19·25	11·28	14·28	20·16	20·16	23·52	34·08	47·28	45·72
	Purneah	2,170	1,588	...	...	...	24·12	24·84	...	...	277	381	268	228	230	526	573	534	396	455	87·84	19·25	11·28	14·28	20·16	20·16	23·52	34·08	47·28	45·72
	Maldah	1,228	889	...	...	...	38·76	32·28	...	...	276	347	252	130	128	240	168	131	110	335	147·88	49·80	27·72	21·24	25·56	24·72	20·04	25·44	34·92	95·12
	Sonthal Pergunnahs ...	1	1,404	199	...	727	3·84	20·64	21·84	...	15·24	450	344	252	184	146	278	218	137	182	222	172·92	19·08	10·44	12·12	14·76	14·04	12·36	14·52	27·72	34·56
ORISSA ...	Cuttack	3	3,826	62	...	...	15·36	26·76	15·60	...	...	971	605	380	137	166	230	298	304	223	618	310·20	31·92	18·72	8·52	14·52	9·36	14·88	22·80	33·60	65·76
	Poori	1,838	16	...	...	...	25·20	13·68	...	...	378	212	138	42	73	141	198	175	199	361	238·20	22·32	12·96	5·52	13·08	9·60	18·84	25·44	38·52	73·80
	Balasore	1	2,047	19	...	6	14·64	27·60	9·48	...	14·76	637	257	129	72	90	145	146	164	102	291	372·12	26·88	19·32	8·28	14·76	10·56	13·20	21·24	35·40	70·44
CHOTA NAGPORE.	Hazaribagh	2,573	283	...	129	...	33·48	32·52	...	21·12	563	504	269	155	72	229	229	256	204	389	194·52	38·28	17·28	15·84	11·40	15·12	19·56	34·16	63·72	119·28
	Lohardugga	46	1,500	184	48	1,426	1·512	22·08	28·44	...	27·24	439	578	365	198	143	267	303	247	337	359	123·60	29·04	16·20	13·08	14·76	12·09	16·20	24·24	53·04	69·24
	Singbhum	1	686	7	...	...	3·96	18·36	36·00	...	...	119	121	44	43	43	54	77	71	64	67	151·08	23·52	7·08	9·96	13·56	8·64	14·40	21·72	34·68	41·16
	Manbhum	5	1,894	88	...	76	108·60	29·16	23·16	...	14·04	364	227	169	91	126	152	151	114	151	218	133·32	19·44	11·16	10·20	16·56	10·80	12·24	16·68	32·04	50·16
	TOTAL FOR THE PROVINCE.	135	102,674	42,779	112	2,912	16·32	28·80	24·00	16·80	20·88	24,288	21,736	12,547	7,246	7,006	14,488	14,299	13,394	12,331	21,316	188·16	31·92	15·12	12·84	16·92	15·72	18·00	25·20	37·92	69·00

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

W. H. GREGG, *Dip. Publ. Healt*

89.

MEMORANDUM.

THE following summary of results has been deduced from the annexed table exhibiting the vital statistics of the principal Municipalities in Bengal for the week ending 7th December 1889:—

1. That births and deaths were registered in these Municipalities in the proportions per 1,000 of population of 28·4 and 29·6 respectively, as opposed to 27·7 and 32· per 1,000 in the preceding week ending 30th November, indicating a falling off in the registration of deaths.

2. That in the following Municipalities births and deaths were recorded at the highest rates:—

Births.

	Ratio per *mille*.
Narainganj	74·5
Comillah	61·6
Ranaghat	47·9
Santipore	42·0
Rampore Beauleah	42·0
Monghyr	41·6
Chupra	39·2
Dacca	38·9
Durbhanga	38·5
Jessore	36·7
Serampore	35·3
Howrah	32·1

Deaths.

	Ratio per *mille*.
Narainganj	136·6
Serampore	66·7
Poori	54·6
Hughli and Chinsurah	45·9
Burdwan	41·2
Howrah	38·4
Gya	38·3
Dacca	37·0
Bali	35·1
Comillah	34·7
Durbhanga	33·8
Monghyr	33·4
Rampore Beauleah	31·5
Purneah	31·2

3. That the mortality from the principal death-causes was as follows, in comparison with that in the preceding week:—

	Ratio per *mille* during the weeks ending—	
	7th December 1889.	30th November 1889.
Cholera	4·9	5·2
Small-pox	·3	·1
Fever	10·8	14·0
Bowel-complaints	4·2	4·8
Injury	·4	·4
Other causes	8·9	7·5

The above figures denote chiefly that there was a noticeable decrease in the death-rate from fever with an increase in that from the diseases coming under the head of "Other causes."

4. That of the diseases mentioned in the foregoing table, cholera, fever and "other causes" are reported to have been conspicuously fatal in the following Municipalities:—

Cholera.

	Ratio per *mille*.
Narainganj ...	70·4
Serampore ...	23·6
Howrah ...	16·0
Dacca ...	11·0
Burdwan ...	7·6

Fever.

	Ratio per *mille*.
Narainganj ...	37·3
Poori ...	29·4
Purneah ...	27·7
Hughli and Chinsurah ...	24·6
Jessore ...	24·5
Rampore Beauleah ...	21·0

Other causes.

	Ratio per *mille*.
Narainganj ...	24·8
Gya ...	19·8
Burdwan ...	18·3
Dacca ...	14·9
Monghyr ...	14·5
Midnapore ...	13·9
Serampore ...	13·7
Hughli and Chinsurah ...	11·5
Durbhanga ...	11·0

5. That the death-rates according to *Sex*, *Class* and *Age* stood as follows:—

According to Sex.

	Ratio per *mille*.
Males	31·3
Females	27·7
Ratio of male deaths to every 100 female deaths	122

According to Class.

	Ratio per *mille*.
Christians ...	14·9
Hindus ...	29·2
Mahomedans ...	31·1
Budhists	25·7

According to Age.

	Ratio per *mille*.
Under 1 year ...	241·7
1 and under 5 years ...	39·7
5 „ 10 „ ...	16·5
10 „ 15 „ ...	13·5
15 „ 20 „ ...	16·7
20 „ 30 „ ...	14·5
30 „ 40 „ ...	19·6
40 „ 50 „ ...	19·3
50 „ 60 „ ...	38·9
60 years and upwards ...	77·5

The 23rd December 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending 7th December 1889.

1	2	3			4			5			6	7							8						9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																		
					NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.				Disease.															Sex.				
												DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.											
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Deaths.		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male deaths to every 100 female deaths.
																											Males.	Females.	Males.	Females.	
Burdwan ...	Burdwan	18,063	16,017	34,080	7	6	13	19·7	9·1	19·8	116	5	...	7	3	...	12	27	7·6	...	10·7	4·6	..	18·3	41·2	67·1	16	11	46·1	35·7	145
Midnapore ...	Midnapore ...	16,927	16,633	33,560	5	10	15	7·7	15·5	23·2	50	...	...	4	6	...	9	19	...	...	6·2	9·3	..	13·9	29·4	32·5	11	8	33·8	25·6	137
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	8	10	18	13·1	16·4	29·5	80	3	...	15	3	...	7	28	4·9	...	24·6	4·9	...	11·5	45·9	45·9	9	19	29·5	62·4	47
Serampore ...	Serampore ...	13,559	12,937	26,496	7	11	18	13·7	21·6	35·3	63	12	1	10	4	...	7	34	23·6	2·0	19·6	7·8	...	13·7	66·7	109·9	17	17	65·2	68·3	100
	Utterpara	3,046	2,464	5,510	3	...	3	28·3	...	28·3	No female birth.	...	...	2	...	...	...	2	...	...	18·9	...	...	...	18·9	28·3	2	...	34·1	...	No female death.
Howrah ...	Howrah	53,153	37,660	90,813	32	24	56	18·3	13·7	32·1	133	28	...	17	15	...	7	67	16·0	...	9·7	8·6	...	4·0	38·4	36·1	39	28	38·2	58·7	139
	Bali	7,836	6,979	14,815	2	6	8	7·0	21·1	28·1	33	1	...	2	3	1	3	10	3·5	...	7·0	10·5	3·5	10·5	35·1	52·6	7	3	46·5	22·4	233
Nuddea ...	Kishnaghur ...	13,263	14,214	27,477	6	2	8	11·3	3·8	15·1	300	1	...	1	...	...	1	3	1·9	...	1·9	...	...	1·9	5·7	15·1	2	1	7·8	3·7	200
	Ranaghat	4,028	4,655	8,683	5	3	8	29·9	18·0	47·9	166	...	...	1	...	...	...	1	...	...	6·0	...	...	...	6·0	35·9	1	...	12·9	...	No female death.
	Santipore	13,708	15,979	29,687	12	12	24	21·0	31·0	42·0	100	...	...	9	...	...	4	13	...	...	15·8	...	...	7·0	22·8	12·3	7	6	26·6	19·5	116
Jessore ...	Jessore	4,830	3,665	8,495	2	4	6	12·2	24·5	36·7	50	...	...	4	...	...	...	4	...	...	24·5	...	...	...	24·5	55·1	3	1	32·3	14·2	300
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	5	11	16	13·1	28·9	42·0	45	...	...	8	3	...	1	12	...	...	21·0	7·9	...	2·6	31·5	23·6	6	6	29·0	34·6	100
Darjiling ...	Darjiling	4,579	2,439	7,018	3	...	3	22·2	...	22·2	No femal birth.	...	...	1	1	...	1	3	...	...	7·4	7·4	...	7·4	22·2	22·2	1	2	11·4	42·6	50
Dacca ...	Dacca	42,782	37,379	80,161	37	23	60	21·0	14·9	38·9	160	17	...	10	7	...	23	57	11·0	...	6·5	4·5	...	14·9	37·0	25·3	31	26	37·7	36·2	119
	Narainganj ...	7,605	4,956	12,561	11	7	18	45·5	29·0	74·5	157	17	...	9	1	...	6	33	70·4	...	37·3	4·1	...	24·8	136·6	111·8	26	7	177·8	73·4	371
Chittagong ...	Chittagong ...	13,340	8,790	22,130	3	1	4	7·0	2·3	9·4	300	...	...	2	1	...	1	4	...	...	4·7	2·3	...	2·3	9·4	14·1	2	2	7·8	11·8	100
Tipperah ...	Comillah	8,153	5,353	13,506	12	4	16	46·2	15·4	61·6	300	2	...	5	...	...	2	9	7·7	...	19·3	...	...	7·7	34·7	30·8	3	6	19·1	58·3	50
Patna	Patna City ...	78,762	81,475	160,237	15	13	28	4·9	4·2	9·1	115	2	1	11	13	2	15	44	·6	·3	3·6	4·2	·6	4·9	14·3	16·2	21	23	13·9	14·7	91
Gya	Gya	38,290	37,831	76,121	19	18	37	13·0	12·3	25·3	105	2	...	25	...	...	29	56	1·4	...	17·1	...	...	19·8	38·3	44·9	35	21	47·5	28·9	166
Shahabad ...	Arrah	20,960	22,505	43,465	10	13	23	11·9	15·6	27·5	76	1	1	8	1	2	...	13	1·2	1·2	9·6	1·2	2·4	...	15·6	15·6	5	8	12·4	18·5	62
Mozufferpore	Mozufferpore ...	23,684	19,058	42,742	12	12	24	14·6	14·6	29·2	100	3	...	4	...	2	3	12	3·6	...	4·9	...	2·4	3·6	14·6	23·1	5	7	11·3	18·5	71
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	24	25	49	18·9	19·6	38·5	96	...	...	21	6	...	14	43	...	...	18·1	4·7	...	11·0	33·8	31·5	20	23	30·8	37·0	86
Sarun	Chupra	25,116	26,554	51,670	18	21	39	18·1	21·1	39·2	85	1	2	4	6	1	7	21	1·0	2·0	4·0	6·0	1·0	7·0	21·1	27·2	10	11	20·7	21·6	90
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	13	10	23	11·8	9·0	20·8	130	2	...	5	1	...	9	17	1·8	...	4·5	·9	...	8·1	15·4	19·0	8	9	14·9	16·8	88
Monghyr ...	Monghyr	28,154	29,366	57,520	26	20	46	23·5	18·1	41·6	130	1	...	12	8	...	16	37	·9	...	10·8	7·2	...	14·5	33·4	31·6	21	16	38·8	23·3	131
Purneah ...	Purneah	8,463	6,553	15,016	3	2	5	19·4	6·9	17·3	150	...	...	8	...	...	1	9	...	...	27·7	...	...	3·5	31·2	13·9	5	4	30·7	31·7	125

MORTALITY ACCORDING TO—

DISTRICTS.	NAMES OF MUNICIPALITIES.	Class. Deaths among—					Class. Ratio per 1,000 of Population per annum.					Age. Deaths.										Age. Ratio per 1,000 of Population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	0 years and upwards.
Burdwan ...	Burdwan	...	20	7	...	...	...	43·9	35·5	...	...	4	2	...	2	...	5	4	3	4	3	315·2	46·1	...	41·3	...	32·8	30·2	35·3	84·7	105·3
Midnapore ...	Midnapore ...	1	15	3	...	...	233·2	30·1	21·6	...	...	4	2	1	...	1	4	3	...	1	3	279·9	44·2	13·9	...	16·5	25·3	28·1	...	25·2	85·2
Hughli ...	Hughli and Chinsurah	...	19	2	...	...	...	39·1	75·1	...	...	8	3	2	...	1	3	3	1	4	3	518·1	76·3	36·0	...	20·7	25·1	27·3	12·3	80·0	75·3
Serampore ...	Serampore ...	...	31	3	...	...	...	63·9	166·3	...	...	5	5	1	1	2	3	4	3	6	4	366·2	144·0	20·7	23·4	47·6	29·0	41·8	46·2	162·9	149·5
	Utterpara	...	2	...	...	...	...	19·5	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	111·6	...	...	...	...	...	141·3	...
Howrah ...	Howrah	...	52	15	...	...	...	39·5	38·0	...	...	7	7	4	2	3	5	15	9	7	8	176·4	65·7	33·1	15·8	21·3	11·5	40·5	39·8	60·3	110·9
	Bali	...	10	...	...	...	...	38·8	...	...	...	2	2	1	...	...	3	1	...	1	...	287·3	104·1	48·8	...	...	46·6	18·6	...	49·6	...
Nuddea ...	Kishnaghur ...	...	2	1	...	...	...	5·5	6·2	...	...	1	...	...	1	...	...	1	...	...	...	104·8	...	...	18·5	...	...	12·1	...	...	...
	Ranaghat	...	1	...	...	...	...	7·1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	91·4
	Santipore	...	10	3	...	...	...	25·1	17·4	...	...	5	...	1	...	1	...	...	1	...	5	307·7	...	13·8	...	23·4	...	...	14·8	...	132·4
Jessore ...	Jessore	...	3	1	...	...	...	34·6	13·6	...	...	3	...	...	...	...	1	...	...	...	...	804·1	...	...	...	...	25·8	...	...	...	...
Rajshahye ...	Rampore Beauleah	...	6	6	...	...	...	31·5	31·8	...	...	3	...	1	1	...	1	...	1	2	3	384·2	...	25·0	28·9	...	12·5	...	21·2	83·8	162·0
Darjiling ...	Darjiling	...	3	...	...	...	...	34·0	...	...	...	...	1	...	...	...	1	1	...	...	...	...	80·9	...	...	...	26·0	36·3	...	...	...
Dacca ...	Dacca	...	27	30	...	...	...	34·8	39·7	...	...	13	7	7	4	3	8	5	3	4	3	356·2	49·4	36·7	26·2	21·4	27·2	22·3	16·6	43·9	28·0
	Naraingan] ...	...	14	19	...	...	...	115·1	160·4	...	...	7	5	1	1	1	4	4	3	6	1	1,804·7	228·1	39·4	45·8	49·8	77·9	97·2	112·0	399·1	79·8
Chittagong ...	Chittagong ...	1	...	2	1	...	65·3	...	6·8	216·7	...	...	...	...	...	...	2	...	1	...	1	...	...	...	...	...	22·5	...	28·0	...	65·3
Tipperah ...	Comillah	...	3	6	...	...	...	26·2	42·2	...	...	4	...	2	...	1	1	...	...	...	1	700·3	...	65·9	...	41·3	18·8	...	...	...	76·7
Patna	Patna City ...	...	29	15	...	...	...	12·7	19·1	...	...	5	8	...	2	4	5	3	5	4	8	60·3	28·5	...	7·2	18·6	9·0	6·7	13·8	14·7	30·1
Gya ...	Gya	...	40	16	...	...	...	34·7	51·7	...	...	8	5	...	2	2	6	6	8	7	12	232·4	49·2	...	15·3	19·9	21·2	24·5	42·6	55·4	121·2
Shahabad ...	Arrah	...	9	4	...	...	...	15·1	16·8	...	...	1	...	3	...	1	...	2	...	...	5	46·4	...	30·4	...	16·2	...	24·2	...	...	90·2
Mozufferpore ...	Mozufferpore ...	...	9	3	...	...	...	15·6	12·5	...	...	5	5	...	...	...	...	1	...	...	1	272·3	64·3	...	...	...	...	7·5	...	...	21·4
Durbhanga ...	Durbhanga ...	...	26	17	...	...	...	27·9	30·3	...	...	13	4	5	1	...	1	5	1	2	11	434·2	27·3	33·2	9·4	...	3·9	23·3	7·0	23·7	179·1
Sarun	Chupra	...	18	3	...	...	...	23·6	13·1	...	...	3	4	...	2	...	1	2	4	3	2	110·6	40·3	...	20·7	...	5·6	13·4	34·2	37·7	30·6
Bhagulpore ...	Bhagulpore ...	...	15	2	...	...	...	19·6	6·9	...	...	2	2	2	3	...	...	1	...	1	6	87·1	19·2	17·7	24·8	...	...	5·6	...	12·2	86·6
Monghyr ...	Monghyr	...	29	8	...	...	...	23·7	33·1	...	...	10	6	3	1	1	1	1	1	2	11	350·2	50·1	22·1	9·1	13·8	5·0	5·8	8·2	26·2	150·5
Purneah ...	Purneah	...	8	1	...	...	...	45·5	9·2	...	...	...	...	...	...	2	1	1	2	2	1	...	...	...	...	104·6	15·8	18·2	56·1	111·0	64·4
Poori ...	Poori	...	24	2	...	...	...	50·9	495·2	...	...	5	3	...	2	3	3	2	2	1	5	858·1	86·8	...	55·4	83·9	29·5	25·7	31·3	25·3	144·0
	TOTAL ...	2	425	176	1	...	14·9	29·2	31·1	25·7	...	118	71	35	25	26	59	66	48	53	98	241·7	39·7	16·5	13·5	16·7	14·5	19·6	19·9	38·9	77·5

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 23rd December 1889.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing quantities of Goods carried during the month of October 1889.

Number of boats or rafts.	Description.	Total Government and Private.				Private.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
315	1. Grain ...	245	3,877	4,122	2,55,223	4,122	2,55,2
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
122	3. Oilseeds ...	29	1,680	1,709	1,62,555	1,709	1,62,5
264	4. Salt ...	2,783	223	3,006	2,59,183	3,006	2,59,1
3	5. Piece-goods* ...	.....	.....	.....	3,700	.....	3,7
11	6. Metal ..	51	6	57	27,623	57	27,6
54	7. Building materials	434	39	473	4,905	473	4,9
1,540	8. Miscellaneous ...	3,945	12,996	16,941	22,84,214	16,941	22,84,2
116	9. Fuel ...	1,250	136	1,386	16,980	1,386	16,9
1 raft	10. Timber ...	137 c. ft.	.....	137 c. ft.	206	137 c. ft.	2
23 rafts	11. Bamboos ...	174 „	24,125 c. ft.	24,299 „	2,433	24,299 „	2,4
2,425 & 24 rafts.	12. Total ...	8,737 & 311 c. ft.	18,957 & 24,125 c. ft.	27,694 & 24,436 c. ft.	30,17,022	27,694 & 24,436 c.ft	30,17,0
3,333 & 42 rafts.	13. Total of same month last year	10,689 & 549 c. ft.	30,136 & 26,172 c. ft.	40,825 & 26,721 c. ft.	40,62,202	40,825 & 26,721 c. ft.	40,62,2

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	863	1,562	2,425
14*a*. Ditto empty boats, steamers, &c. No.	884	160	1,044
15. Total number of boats plying passenger No.	939	1,086	2,025
15*a*. Ditto empty boats „	186	49	235
16. Total registered tonnage, cargo Tons	23,771	41,223	64,994
17. Total registered tonnage, passenger Tons	1,055	809	1,864
18. Ton-mileage	.....	.....	.....
19. Estimated value of cargo Rs.	11,12,131	19,02,252	30,14,383
20. Number of passengers No.	1,188	1,963	3,151
21. Rafts, bamboos C. ft.	174	24,125	24,299
22. Do., bullahs „	137	.....	137
23. Estimated value of rafts Rs.	226	2,413	2,639
24. Tollage on boats „	6,201-1-6	10,574-5-0	16,775-6-6
25. Compounded tollage on boats Rs.	.....	.....	.....
26. Tollage on rafts „	1-14-0	25-11-0	27-9-0
27. Total tollage on boats per ton-mile† ...	.....	.....	.....
28. Ditto on rafts per 100 cubic feet ... Rs.	.....	.....	0-1-9

	Rs.
Total tollage of month—24+25+26 ...	16,80
Total tollage of same month last year ...	22,34

Memorandum of Tollage.

1. Balance not recovered on the 1st of the month ...	6,55
2. Tollage per month ...	16,80
3. Total ...	23,36
4. Amount paid into Treasury during the month ...	22,88
5. Balance due at the end of the month ...	48

† Boats in these rivers do not pay per mile.

Abstract for the month of October 1889 *as compared with the corresponding month of the previous year.*

	1889-90.		1888-89.	
	During the month.	To end of the month.	During the month.	To end of
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.
Tollage	16,802 15 6	1,33,863 2 9	22,341 5 6	1,40,831

CALCUTTA,
The 24th December 1889.

G. A. G. SHAWE,
Under-Secy. to the Govt. of B

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing quantities of Goods carried during the month of October 1889.

Number of Boats or Rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.	Remarks.
145	1. Grain ...	880	161	1,041	47,009	1,041	47,009	
1	2. Cotton ...	4	.....	4	2,000	4	2,000	
8	3. Oilseeds ...	15	.....	15	1,235	15	1,235	
12	4. Salt ...	.....	102	102	14,950	102	14,950	
1	5. Piece-goods ...	.....	4	4	1,200	4	1,200	
1	6. Metal ...	.....	.....	.....	50	.....	50	
17	7. Building materials	31	35	66	1,101	35	891	
608	8. Miscellaneous ...	360	302	662	79,623	660	79,403	
3	9. Fuel ...	.....	22	22	305	22	305	
rafts	10. Timber ...	4,531 c. ft.	532 c. ft.	5,063 c. ft.	3,730	5,063 c. ft.	3,730	
	11. Bamboos ...	550 „	75 „	625 „	68	625 „	68	
& 47 ts.	12. Total ...	1,290 & 5,081 c. ft.	626 & 607 c. ft.	1,916 & 5,688 c. ft.	1,51,271	1,883 & 5,688 c.ft.	1,50,841	
75 & rafts.	13. Total of same month last year	2,043 & 6,048 c. ft.	790 & 300 c. ft.	2,833 & 6,348 c. ft.	1,64,005	2,833 & 6,348 c.ft.	1,64,005	

	Up.	Down.	Total.
Total number of boats plying cargo No.	440	356	796
Total number of boats plying passenger No.	62	82	144
Total registered tonnage, cargo Tons	3,101	1,946	5,047
Total registered tonnage, passenger Tons	890	1,272	2,162
Ton-mileage ...	133,470	119,346	252,816
Estimated value of cargo Rs.	75,805	71,668	1,47,473
Number of passengers No.	2,886	3,784	6,670
Rafts, bamboos C. ft.	550	75	625
Do., bullahs „	4,531	532	5,063
Estimated value of rafts Rs.	2,845	953	3,798
Tollage on boats „	2,336-7-9	2,132-6-6	4,468-14-3
Compounded tollage on boats Rs.	27-2-0	1-8-0	28-10-0
Tollage on rafts „	166-6-0	5-1-0	171-7-0
Total tollage on boats per ton-mile Rs.	.....	.....	0-0-3·4
Ditto on rafts per 100 cubic feet Rs.	.....	.....	3-0-2

	Rs. A. P.
Total tollage of month—24+25+26 ...	4,668 15 3
Total tollage of same month last year ...	5,342 8 6

Memorandum of Tollage.

	Rs. A. P.
1. Balance not recovered on the 1st of the month	5,138 5 0
2. Tollage per month ...	4,668 15 3
3. Total ...	9,807 4 3
4. Amount paid into Treasury during the month ...	5,434 7 3
5. Balance due at the end of the month ...	4,372 13 0

Abstract for the month of October 1889 *as compared with the corresponding month of the previous year.*

	1889-90. During the month.	1889-90. To end of the month.	1888-89. During the month.	1888-89. To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
llage	4,668 15 3	33,620 8 9	5,342 8 6	38,495 5 6

CALCUTTA,
The 24th December 1889.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing quantities of Goods carried during the month of October 1889.

Number of boats or rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.
385	1. Grain ...	6,291	.....	6,291	7,03,100	6,291	7,03,100
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
19	3. Oilseeds ...	365	.....	365	38,343	365	38,343
266	4. Salt ...	321	4,580	4,901	5,14,631	4,901	5,14,631
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
4	6. Metal ...	.....	25	25	3,150	25	3,150
112	7. Building materials	2,999	94	3,093	56,814	3,093	56,814
2,317	8. Miscellaneous* ...	19,459	1,220	20,679	28,28,128	20,679	28,28,128
635	9. Fuel ...	10,242	2,662	12,904	1,01,078	12,904	1,01,078
1 raft	10. Timber ...	99 c. ft.	.....	99 c. ft.	247	99 c. ft.	247
2 rafts	11. Bamboos ...	900 „	.....	900 „	150	900 „	150
3,738 & 3 rafts.	12. Total ...	39,677 & 999 c. ft.	8,581	48,258 & 999 c. ft.	42,45,641	48,258 & 999 c. ft.	42,45,641
6,411	13. Total of same month last year.	73,250	9,929	83,179	70,31,383	83,179	70,31,383

	Up.	Down.	Total.
14. Total number of boats plying cargo No.	3,272	466	3,738
14*a*. Ditto empty boats „	1,521	579	2,100
15. Total number of boats plying passenger No.	383	3	386
16. Total registered tonnage, cargo Tons	144,127	22,914	167,041
17. Total registered tonnage, passenger Tons	827	19	846
18. Ton-mileage ...	1,324,065	229,140	1,553,205
19. Estimated value of cargo Rs.	35,68,867	6,76,377	42,45,244
20. Number of passengers No.	1,548	29	1,577
21. Rafts, bamboos C. ft.	900	.....	900
22. Do., bullahs „	99	.....	99
23. Estimated value of rafts Rs.	397	.....	397
24. Tollage on boats „	23,672-7-9	5,618-10-6	29,291-2-3
25. Compounded tollage on boats Rs.	.....	.....	.....
26. Tollage on rafts „	22-2-0	.....	22-2-0
27. Total tollage on boats per ton-mile Rs.	.....	.....	0-0-3·62
28. Ditto on rafts per 100 cubic feet Rs.	.....	.....	2-3-5

	Rs.
Total tollage of month—24+25+26 ...	29,313
Total tollage of same month last year ...	48,546

Memorandum of Tollage.

	Rs.
1. Balance not recovered on the 1st of the month ...	719
2. Tollage per month ...	29,313
3. Total	30,033
4. Amount paid into Treasury during the month ...	29,193
5. Balance due at the end of the month ...	839

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

CALCUTTA AND EASTERN CANALS.

Description.	Total Government and Private.				Private.		Remarks.
	Quantity—Tons.			Value.	Quantity.	Value.	
	Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
(*a*) Jute ...	16,017	23	16,040	22,45,650	16,040	22,45,650	
(*b*) Jaggery ...	272	.....	272	30,400	272	30,400	
(*c*) Sugar ...	21	.....	21	4,600	21	4,600	
(*d*) Tobacco ...	5	1	6	1,225	6	1,225	
(*e*) Fish ...	126	3	129	36,042	129	36,042	
(*f*) Hides ...	19	.....	19	4,360	19	4,360	
(*g*) Poultry ...	13	.....	13	10,259	13	10,259	
(*h*) Hay and straw ...	388	.....	388	9,886	388	9,886	
(*j*) Oil ...	18	1,007	1,025	1,43,500	1,025	1,43,500	
(*k*) Earthenware ...	95	.....	95	1,331	95	1,331	
(*m*) Other miscellaneous ...	2,485	186	2,671	3,40,875	2,671	3,40,875	
Total Miscellaneous...	19,459	1,220	20,679	28,28,128	20,679	28,28,128	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of October 1889.

Number of boats or rafts.	Description.	Total Government and Private.				Private.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
1,226	1. Grain ...	4,189	.....	4,189	3,68,964	4,189	3,68,964
4	2. Cotton ...	32	.....	32	15,300	32	15,300
14	3. Oilseeds ...	243	.....	243	25,500	243	25,500
37	4. Salt ...	288	202	490	51,468	490	51,468
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
378	7. Building materials	3,481	28	3,509	14,477	3,509	14,477
1,243	8. Miscellaneous* ...	4,548	27	4,575	5,30,190	4,575	5,30,190
277	9. Fuel ...	2,790	4	2,794	22,912	2,794	22,912
6 rafts	10. Timber ...	10,424 c. ft.	624 c. ft.	11,048 c. ft.	27,620	11,048 c. ft.	27,620
2 „	11. Bamboos ...	75 „	.....	75 „	12	75 „	12
3,179 & 8 rafts.	12. Total ...	15,571 & 10,499 c. ft.	261 & 624 c. ft.	15,832 & 11,123 c. ft.	10,56,443	15,832 & 11,123 c. ft.	10,56,443
5,629 & 4 rafts.	13. Total of same month last year ...	23,094 & 317 c.ft.	407	23,501 & 317 c. ft.	17,59,711	23,501 & 317 c.ft.	17,59,711

		Up.	Down.	Total.
14. Total number of boats plying cargo ...	No.	3,135	44	3,179
14*a*. Ditto empty boats	„	1,431	232	1,663
15. Total number of boats plying passenger ...	No.	390	14	404
16. Total registered tonnage, cargo ...	Tons	42,097	2,100	44,197
17. Total registered tonnage, passenger ...	Tons	945	58	1,003
18. Ton-mileage ...	...	379,137	33,600	412,737
19. Estimated value of cargo	Rs.	10,04,112	24,699	10,28,811
20. Number of passengers	No.	2,701	73	2,774
21. Rafts, bamboos	C. ft.	75	.....	75
22. Do., bullahs	„	10,424	624	11,048
23. Estimated value of rafts	Rs.	26,072	1,560	27,632
24. Tollage on boats	„	6,757-3-9	528-12-0	7,285-15-9
25. Compounded tollage on boats ...	Rs	.....	.....	.....
26. Tollage on rafts	„	54-14-6	9-0-0	63-14-6
27. Total tollage on boats per ton-mile	Rs.	.....	.....	0-0-3·38
28. Ditto on rafts per 100 cubic feet ...	Rs.	.....	.....	0-9-2

	Rs.
Total tollage of month—24+25+26 ...	7,34
Total tollage of same month last year ...	12,96

Memorandum of Tollage.

	R
1. Balance not recovered on the 1st of the month ...	35
2. Tollage per month ...	7,34
3. Total	7,7
4. Amount paid into Treasury during the month ...	7,4
5. Balance due at the end of the month ...	2

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
TOLLY'S NULLAH.

Number of boats or rafts.	Description.	Total Government and Private.				Private.		Remarks.
		Quantity—Tons.			Value.	Quantity.	Value	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
80	(*a*) Jute ...	461	1	462	64,625	462	64,625	
76	(*b*) Jaggery ...	451	8	459	51,400	459	51,400	
.....	(*c*) Sugar ...	.....	.....	.....	.....	.....	.....	
8	(*d*) Tobacco ...	45	2	47	9,100	47	9,100	
96	(*e*) Fish ...	7	1	8	2,213	8	2,213	
.....	(*f*) Hides ...	.....	.....	.....	.....	.....	.....	
17	(*g*) Poultry ...	3	.....	3	1,527	3	1,527	
556	(*h*) Hay and straw...	1,114	.....	1,114	23,403	1,114	23,403	
43	(*j*) Oil ...	405	.....	405	56,750	405	56,750	
87	(*k*) Earthenware ...	86	3	89	1,242	89	1,242	
280	(*m*) Other miscellaneous.	1,976	12	1,988	3,19,930	1,988	3,19,930	
1,243	Total Miscellaneous...	4,548	27	4,575	5,30,190	4,575	5,30,190	

ABSTRACT FOR THE MONTH OF OCTOBER 1889, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	Traffic, 1889-90.				Traffic, 1888-89.			
	During the month.		To end of the month.		During the month.		To end of the month.	
	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Calcutta and Eastern Canals ...	29,313	4 3	1,56,610	8 9	48,546	8 0	1,91,718	15 6
Tolly's Nullah	7,349	14 3	48,926	15 0	12,961	3 9	69,464	6 0
Total ...	36,663	2 6	2,05,537	7 9	61,507	11 9	2,61,183	5 6

Calcutta,
The 24th December 1889.

G. A. G. Shawe,
Under-Secretary to the Govt. of Bengal.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 14th December 1889, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-Mile	
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
Total traffic for the week ...	*228,139	*3,18,220 2 0	25,03,563 30	6,48,284 10 0	19,276 4 0	9,85,781 0 6	68,067½	88,471½
Or per mile of railway	.....	208 9 7	.....	424 15 6	12 10 2	646 3 3	.....	.....
For previous 23 weeks of half-year	5,514,908	60,39,901 9 0	4,90,74,438 20	1,10,23,079 11 6	3,96,850 13 0	1,74,59,832 1 6	1,514,321½	1,850,368½
Total for 24 weeks ...	5,743,047	63,58,121 11 0	5,15,78,002 10	1,16,71,364 5 6	4,16,127 1 9	1,84,45,613 1 6	1,582,588½	1,938,839½
COMPARISON.								
Total for corresponding week of previous year	214,419½	2,02,773 4 8	25,42,125 20	6,07,399 12 6	16,433 7 1	8,86,606 8 5	66,282	90,765
Per mile of railway corresponding week of previous year ...	.....	172 4 1	.....	398 2 8	10 12 4	581 3 1	.....	.....
Total to corresponding date of previous year	5,582,552	62,31,912 11 2	5,64,69,265 0	1,18,26,846 9 1	4,15,148 5 4	1,84,73,907 9 7	1,554,152	1,951,156

* The increase in coaching traffic is mainly due to running of special trains carrying Government mules to Howrah.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 15th December 1888.			Receipts for week ending 14th December 1889.			Total receipts from 1st April 1888 to 15th December 1888.			Total receipts from 1st April 1889 to 14th December 1889.			Total increase in 1889.	d
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
1,525½	8,86,607	581	1,525½	9,85,781	646	1,525½	3,03,98,613	539	1,525½	3,04,72,368	540	73,755	

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 14th December 1889, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-Mi	
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
Total traffic for the week ...	12,720	7,252 6 0	39,761 30	2,739 5 0	40 0 0	10,022 11 0	1,058½	1,093
Or per mile of railway	222½	126 12 8	695 10	47 11 2	0 11 2	175 3 7	.....	.....
For previous 23 weeks of half-year	311,627	1,73,070 2 0	9,73,473 0	51,458 15 0	938 9 3	2,25,467 10 3	35,977½	16,493
Total for 24 weeks ...	324,347	1,80,322 8 0	10,13,234 30	54,189 4 0	978 9 3	2,35,490 5 3	37,936½	17,588
COMPARISON								
Total for corresponding week of previous year	10,340½	5,145 15 6	38,132 10	2,595 2 0	54 14 0	7,795 15 6	1,811	583
Per mile of railway corresponding week of previous year ...	181	89 15 5	666 30	45 5 11	0 15 4	136 4 8	.....	.....
Total to corresponding date of previous year	317,397½	1,74,505 3 1	10,05,055 30	57,557 7 0	1,367 0 6	2,33,429 16 7	43,916	16,503

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Receipts for week ending 15th December 1888.			Receipts for week ending 14th December 1889.			Total receipts from 1st April 1888 to 15th December 1888.			Total receipts from 1st April 1889 to 14th December 1889.			Total increase in 1889.	d
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
57½	7,796	136	57½	10,023	175	57½	3,47,354	104	57½	3,49,490	105	2,136	

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 14th December 1889, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
...ffic for the week	15,575	3,918 10 0	7,558 10	286 8 0	7 4 0	4,212 6 0	903	245	1,148
...ge of railway	.....	176 1 11	.....	12 14 0	0 5 2	189 5 1	.....	.....	.....
...ous 23 weeks of half-	408,340	1,00,878 12 0	2,02,574 20	6,129 0 0	135 3 6	1,07,142 15 6	21,155	1,687	22,842
Total for 24 weeks ...	423,915	1,04,797 6 0	2,10,132 30	6,415 8 0	142 7 6	1,11,355 5 6	22,058	1,932	23,990
Comparison.									
...ed for corresponding week of ...ous year	15,846	3,900 5 3	5,058 30	210 12 0	3 15 9	4,119 1 0	924	44	968
...ge of railway correspond- ...ing week of previous year ...	.....	175 4 9	.....	9 7 6	0 5 9	185 2 0	.....	.....	.....
...ed to corresponding date of ...ous year	427,862½	1,05,809 11 2	1,19,280 30	4,717 13 6	161 14 3	1,10,689 6 5	23,172	1,148	23,320

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

...ts for week ending 15th December 1888.			Receipts for week ending 14th December 1889.			Total receipts from 1st April 1888 to 15th December 1888.			Total receipts from 1st April 1889 to 14th December 1889.			Total increase in 1889.	Total decrease in 1889.
...age ...ked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	4,119	185	22½	4,212	189	22½	1,97,036	239	22½	1,93,988	236	.....	3,048

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K. and D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 7th December 1889, on 747 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
...ffic for the week ...	188,270	83,380 0 0	6,79,520 0	1,95,020 0 0	18,100 0 0	2,96,500 0 0	25,080	38,894	63,974
...ge of railway ...	252	112 0 0	910 0	261 0 0	†4 0 0	377 0 0	.....	.....	.....
...ous 23 weeks of half-	3,028,264	14,21,340 0 0	1,39,33,880 0*	35,14,062 0 0	3,60,445 0 0	*52,96,447 0 0	487,726	633,079	1,120,805
...al for 23 weeks ...	3,216,534	15,04,720 0 0	1,46,13,400 0	37,09,082 0 0	3,78,545 0 0	55,92,947 0 0	509,406	671,973	1,181,379
Comparison.									
...ed for corresponding week ...ous year	195,345	67,080 0 0	5,20,981 0	1,40,810 0 0	16,101 0 0	2,33,001 0 0	20,446	30,90	51,354
...ge of railway correspond- ...ing period of previous year ...	290	100 0 0	774 0	223 0 0	†3 0 0	326 0 0	.....	.....	.....
...ed to corresponding date of ...ous year	3,159,195	14,15,196 0 0	1,41,56,031 0	36,28,854 0 0	3,86,104 0 0	54,30,154 0 0	475,052	701,772	1,177,424

* Audited up to week ending 26th October 1889.
† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

...ts for week ending ...ber 1888.			Receipts for week ending 7th December 1889.			Total receipts from 1st April 1888 to 8th December 1888.			Total receipts from 1st April 1889 to 7th December 1889.			Total increase in 1889-90.	Total decrease in 1889-90.
...age ...ked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
673	2,53,001	346	747	2,96,500	397	673	73,85,626	235	720	*77,28,388	298	3,42,762	.....

* Audited up to week ending 26th October 1889.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 7th December 1889, *on* 125 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Tr…		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Mer…	To…
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	35,430	12,660 0 0	40,860 0	3,430 0 0	410 0 0	15,900 0 0	3,606		
Or per mile of railway	283	97 0 0	327 0	27 0 0	3 0 0	127 0 0	.....		
For previous 22 weeks of half-year	598,841*	2,09,107 0 0	*12,80,580 0	1,16,337 0 0	4,663 0 0	*3,30,107 0 0	78,875		
Total for 23 weeks ...	634,271	2,21,767 0 0	13,21,440 0	1,19,767 0 0	5,073 0 0	3,46,007 0 0	82,481		
Comparison.									
Total for corresponding week of previous year	32,600	9,309 0 0	38,918 0	2,376 0 0	75 0 0	11,760 0 0	3,606		
Per mile of railway corresponding period of previous year ...	261	74 0 0	311 0	19 0 0	1 0 0	94 0 0	.....		
Total to corresponding date of previous year	617,763	2,02,856 0 0	13,53,082 0	1,35,240 0 0	1,801 0 0	3,39,897 0 0	83,106		

* Audited up to week ending 26th October 1889.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

Receipts for week ending 8th December 1888.			Receipts for week ending 7th December 1889.			Total receipts from 1st April 1888 to 8th December 1888.			Total receipts from 1st April 1889 to 7th December 1889.			Total increase in 1889-90.	
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
125	11,760	94	125	15,900	127	125	5,01,699	111	125	*5,25,855	117	24,156	

* Audited up to week ending 26th October 1889.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 7th December 1889, *on* 86 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Tr…		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Mer…	To…
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	18,020	6,540 0 0	54,110 0	5,620 0 0	110 0 0	12,270 0 0	2,566		
Or per mile of railway	209	76 0 0	629 0	66 0 0	1 0 0	143 0 0	.....		
For previous 22 weeks of half-year	*330,920	1,08,330 0 0	*6,10,605 0	51,048 0 0	5,754 0 0	*1,65,132 0 0	55,010		
Total for 23 weeks ...	348,940	1,14,870 0 0	6,64,715 0	56,668 0 0	5,864 0 0	1,77,402 0 0	57,576		
Comparison.									
Total for corresponding week of previous year	15,400	5,074 0 0	8,350 0	971 0 0	175 0 0	6,220 0 0	2,510		
Per mile of railway corresponding period of previous year	180	59 0 0	97 0	11 0 0	2 0 0	72 0 0	.....		
Total to corresponding date of previous year	325,765	1,02,615 0 0	3,43,147 0	27,042 0 0	4,383 0 0	1,34,043 0 0	57,744		

* Audited up to week ending 26th October 1889.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

Receipts for week ending 8th December 1888.			Receipts for week ending 7th December 1889.			Total receipts from 1st April 1888 to 8th December 1888.			Total receipts from 1st April 1889 to 7th December 1889.			Total increase in 1889-90.	
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
86	6,220	72	86	12,270	143	86	1,99,934	64	86	*2,52,569	82	53,5…	

* Audited up to week ending 26th October 1889.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 14th December 1889, on [illegible] miles.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train Miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise &c.	Total.
		Rs. a. p.	Mds. s.	Rs. a. p.	Rs. a. p.	Rs. a. p.			
Total traffic for the week	3,656	1,203 0 0	12,663 0	694 0 0	45 0 0	1 [illegible]	[illegible]	[illegible]	[illegible]
Or per mile of railway	134	44 0 0	465 0	25 0 0	2 0 0	[illegible]			
For previous 22 weeks of half-year	72,174	26,001 0 0	2,03,226 0	13,254 0 0	1,503 0 0	46 [illegible]	[illegible]	[illegible]	[illegible]
Total for 23 weeks ...	75,830	27,204 0 0	2,15,889 0	13,948 0 0	1,548 0 0	47 [illegible]	[illegible]	[illegible]	[illegible]
COMPARISON.									
Total for corresponding week of previous year	2,938	1,088 0 0	11,577 0	711 0 0	21 0 0	[illegible]	660	[illegible]	[illegible]
Per mile of railway corresponding week of previous year ...	108	40 0 0	425 0	26 0 0	1 0 0	[illegible]	[illegible]	[illegible]	[illegible]
Total to corresponding date of previous year	72,939	25,989 0 0	2,76,045 0	16,363 0 0	2,089 0 0	[illegible]	12,716	[illegible]	[illegible]

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

Receipts for week ending 15th December 1888.			Receipts for week ending 14th December 1889.			Total receipts from 1st April 1888 to 15th December 1888.			Total receipts from 1st April 1889 to 14th December 1889.			Total decrease.	Total increase.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total [illegible]	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		R[illegible]	Rs.		
27½	1,820	67	27½	1,943	71	27½	70,781	72	27½	[illegible]	[illegible]	[illegible]	[illegible]

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 14th December 18[illegible] 273 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train Miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise &c.	Total.
		Rs. a.	Mds. s.	Rs. a. p.	Rs. a. p.	Rs. a. p.			
Total traffic for the week	40,096	16,459 0 0	2,01,253 0	23,585 0 0	4,885 0 0	[illegible]	[illegible]	[illegible]	[illegible]
Or per mile of railway	147	60 0 0	737 0	86 0 0	3 0 0	[illegible]			
For previous 22 weeks of half-year	911,708	3,32,788 0 0	38,54,051 0	3,85,449 0 0	87,489 0 0	[illegible]	[illegible]	[illegible]	[illegible]
Total for 23 weeks ...	951,804	3,49,288 0 0	40,55,304 0	4,09,034 0 0	92,374 0 0	[illegible]	[illegible]	[illegible]	[illegible]
COMPARISON.									
Total for corresponding week of previous year	32,703	11,589 0 0	1,28,802 0	13,191 0 0	7,908 0	[illegible]	[illegible]	[illegible]	[illegible]
Per mile of railway corresponding week of previous year ...	120	42 0 0	473 0	48 0 0	19 0 0	[illegible]	[illegible]	[illegible]	[illegible]
Total to corresponding date of previous year	832,608	3,20,122 0 0	31,38,852 0	2,79,163 0 0	72,259 0	[illegible]	[illegible]	[illegible]	[illegible]

* Steam-boat earnings excluded in calculating "Total earnings per mile."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

Receipts for week ending 15th December 1888.			Receipts for week ending 14th December 1889.			Total receipts from 1st April 1888 to 15th December 1888.			Total receipts from 1st April 1889 to 14th December 1889.			Total decrease.	Total increase.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total [illegible]	Per mile worked per week.		
	Rs	Rs.		Rs.	Rs.		Rs.	Rs.		[illegible]	Rs.		
273	32,578	119	273	44,909	164	263·11	11,60,124	124	273	[illegible]	[illegible]	[illegible]	[illegible]

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